

Advanced Video Imaging

**Direct View Color TV
MTS Stereo Audio
Picture-In-Picture
Surround Sound**

*Return the Product
Registration Card,
and your TV
could be
FREE!*

OPERATING GUIDE & WARRANTY for models ...

SR2745, SR2786, SR2789,
SR3247, SR3289, SR3547
SR3589

ZENITH ELECTRONICS CORPORATION
1000 MILWAUKEE AVENUE
GLENVIEW, ILLINOIS 60025

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EP-EDCBAO



*recycled paper
50 percent*





WARNING

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER TO QUALIFIED SERVICE PERSONNEL.

TO PREVENT FIRE OR SHOCK HAZARDS, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Safety Tips

Refer to the "Safety Tips" booklet that came with your product for important safety considerations.

Note to Cable TV System Installer

This reminder is provided to call the cable TV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of the cable entry as practical.

Power-Cord Polarization

This product is equipped with a polarized alternating-current line plug (a plug having one blade wider than the other.) This plug will fit into the power outlet only one way. This is a safety feature. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat the safety purpose of the polarized plug.

CAUTION

To prevent electric shock, match wide blade of plug to wide slot, fully insert.

ATTENTION

Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

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How to use this operating guide

StarSight installation and operation is given in this portion of the operating guide. Follow the procedures given if you are going to use StarSight. Refer to the other portion of this operating guide for standard TV installation and operation.

INTRODUCTION

Welcome

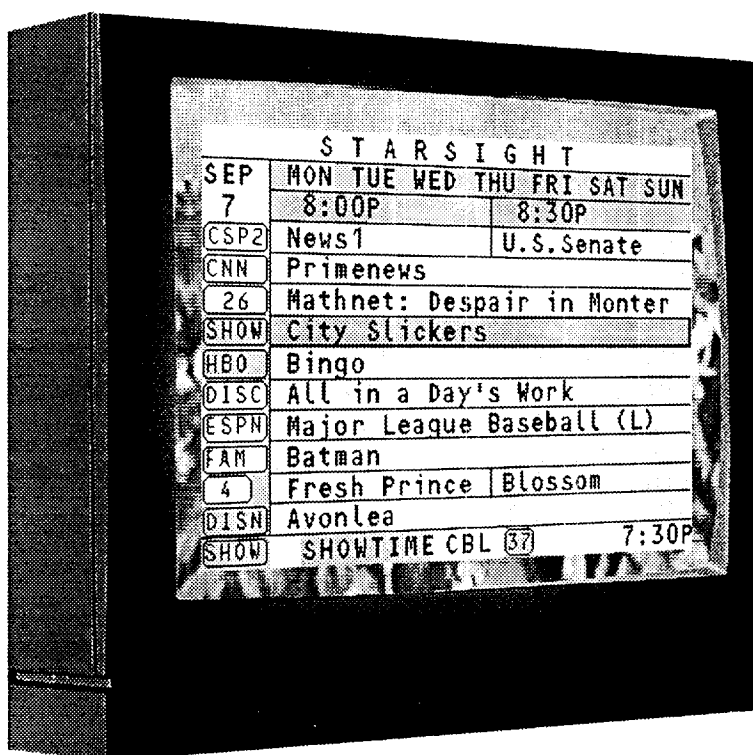
Welcome to StarSight, an innovative way to locate programs and manage the many channels that you receive. With StarSight, you can:

- See an instant description of what's on any channel.
- Select a program from a list that displays your favorite types of shows by theme (movies, sports, comedies, etc.)
- Get information about plots, casts, content ratings, and running times.
- Tune from an on-screen guide right to the program you selected.
- Program your VCR with the touch of one button.
- Re-arrange the order of your channels to put your favorites first.

Cable Box and VCR Requirements.

Be sure to read these requirements carefully. They contain important information you need to ensure that StarSight performs properly.

- A VCR is required for recording capability. To take full advantage of StarSight, your VCR must be controllable by a wireless infrared remote control. Otherwise, StarSight can still provide program information, but will not be able to automatically tune to or record a specific program on your VCR.
- If your VCR remote control does not have a number pad with at least 10 digits, StarSight will be unable to tune the VCR.
- If you have a Cable Box, it must be controllable by a wireless infrared remote control.
- Your Cable company should be able to provide a remote-controlled Cable Box, if you do not already have one.
- Your StarSight-equipped Zenith television is not designed to operate with, or control, a satellite dish. For information on StarSight products specifically designed for satellite systems, see your local satellite dealer.



INSTALLING STARSIGHT

StarSight must be installed properly for you to enjoy all of its benefits. To ensure proper installation, follow the procedure in this section in the order they are presented.

STEP 1. Fill out the Subscription Checklist.

SUBSCRIPTION CHECKLIST

Complete sections A and B, and keep this checklist close at hand during subscription.

A PBS Station: Consult the table of "PBS Stations", located in the section ("Testing StarSight").

Find the PBS station that is closest to your city. (If you receive two or more stations, select the one with the clearest picture.) Write the PBS Station letters and channel number below.

PBS Station Letters: _____

PBS Station Channel Number: _____

For Cable Users Only: Check your Cable company's channel line-up or your local newspaper's TV listings to see if the PBS station in your area has a different channel number from the one you wrote down above.

If so, write your PBS station's Cable channel number here: _____

(You will use this channel number during the Setup process.)

B Code Numbers: Consult the tables "Cable Box Codes" and "VCR Codes", located in the section ("Testing StarSight").

Find the code numbers that apply to your brands of Cable Box and VCR and write them below.

CABLE BOX

Code 1: _____ Code 2: _____ Code 3: _____

Code 4: _____ Code 5: _____ Code 6: _____

VCR

Code 1: _____ Code 2: _____ Code 3: _____ Code 4: _____

Code 5: _____ Code 6: _____ Code 7: _____ Code 8: _____

Now proceed to "Step 2. Hook-Up Equipment."

C During Subscription... StarSight will display on-screen your personal STAR number and I.D. number. When these numbers appear on your TV screen, write them here.

Star # _____

I.D. # _____

INSTALLING STARSIGHT

STEP 2. Hook-Up Equipment.

There are four possible choices for hooking up your equipment. Only one of these choices will apply to your particular equipment setup.

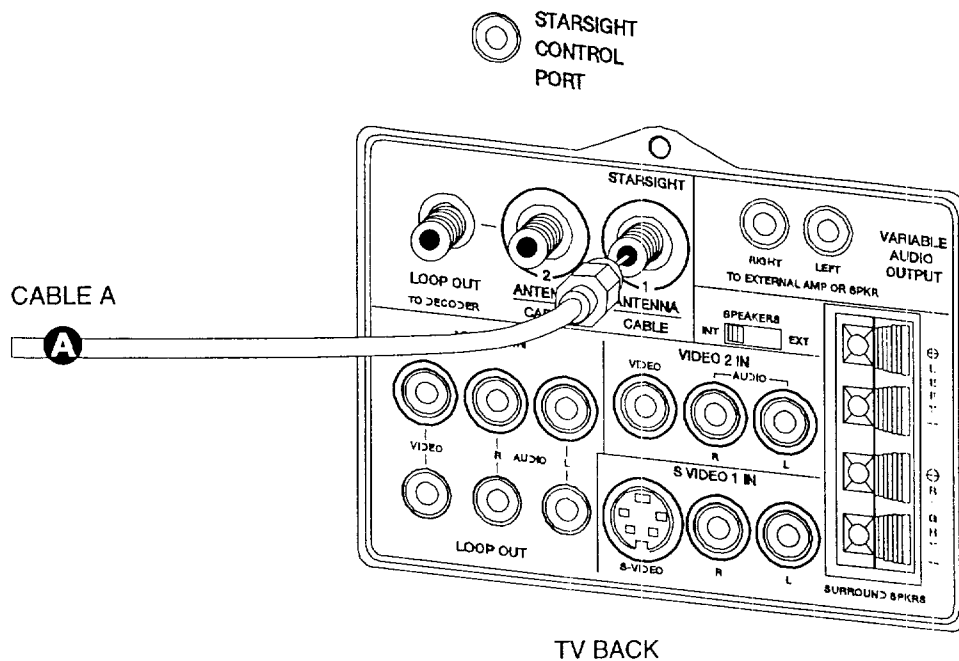
Turn to the appropriate Setup and follow the instructions, then proceed to "STEP 3. Auto Programming Your TV."

If you have...	Turn to
TV Only	Setup 1
TV and Cable Box	Setup 2
TV and VCR	Setup 3
TV, VCR and Cable Box	Setup 4

Setup 1: TV Only

If you receive your television signal by antenna or basic Cable TV (no Cable Box):

1. Attach the cable coming out of the wall **A** to the "ANT/CABLE 1" jack on the back of your Zenith TV.
2. Plug your TV into a power outlet not controlled by a light switch and turn your TV on.
3. Proceed to "Step 3. Auto Programming Your TV."



INSTALLING STARSIGHT

Setup 2: TV and Cable Box

NOTE: DO NOT UNPLUG YOUR CABLE BOX AT ANY TIME.

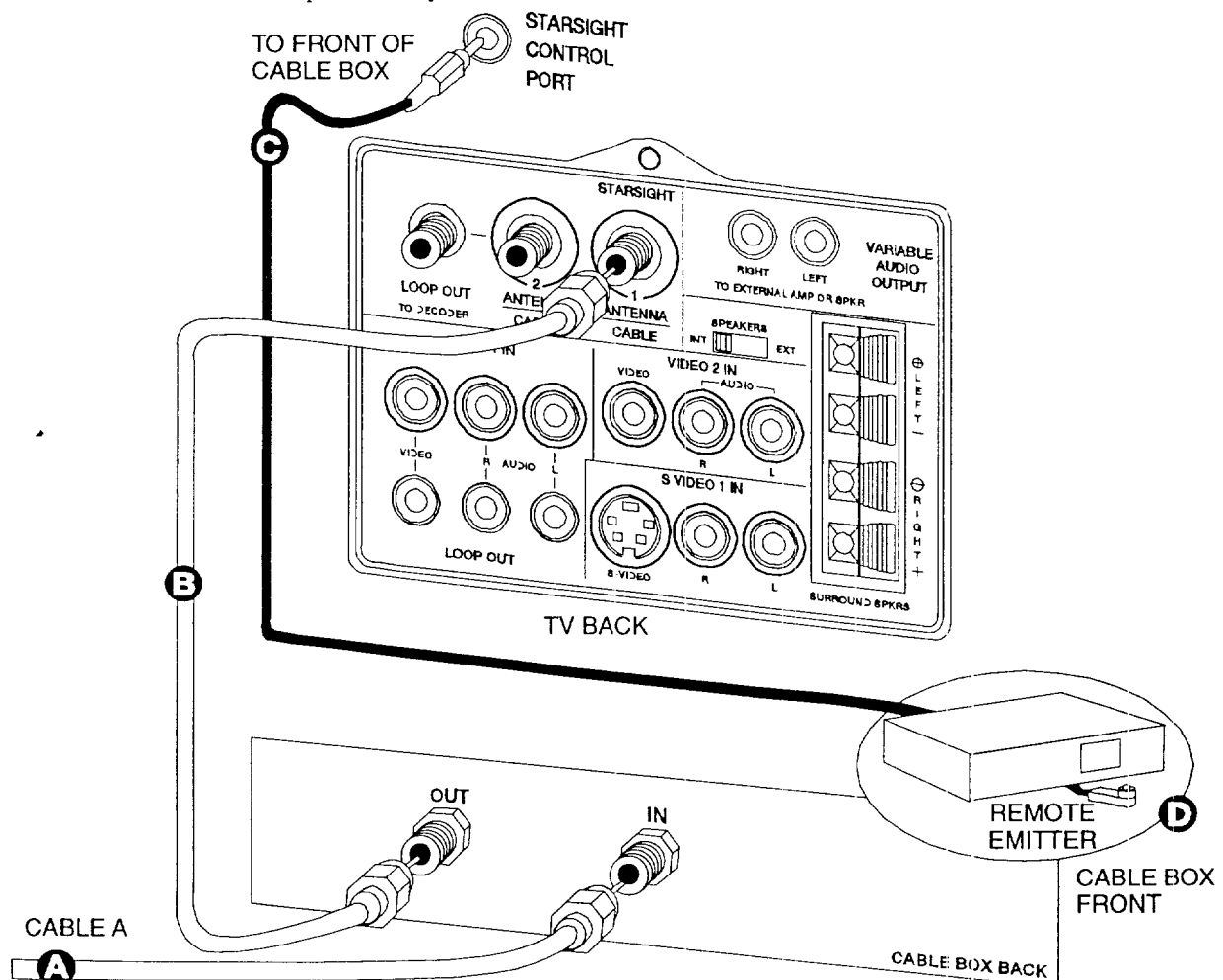
1. Turn off, but do not unplug your Cable Box.
2. Attach the cable coming out of the wall **A** to your Cable Box's "Input" or "Cable In" jack.
3. Attach an RF cable **B** to your Cable Box's "Output" or "TV Set" jack, and the other end of this cable to the "ANT/CABLE 1" jack on the back of your TV.
4. Take the Remote Emitter — it's a wire with a plug at one end and two plastic bulbs at the other ends — and push the plug of the Remote Emitter wire into the "StarSight Control Port" on the back of the TV. Run the Remote Emitter wire **C** under the Cable Box and place either one of the plastic bulbs about two inches in front of the front panel of the Cable Box **D**. Make sure that the plastic bulb is facing the front panel of the Cable Box (see diagram below). Do not adhere the Remote Emitter at this time. After you have completed subscribing to StarSight, and you have confirmed the correct code that operates your Cable Box, you can peel off the backing of the sticker on the Remote Emitter and adhere it permanently.

5. Turn on your Cable Box.

6. Plug your TV into a power outlet not controlled by a light switch.

NOTE: DO NOT PLUG YOUR TV INTO THE BACK OF YOUR CABLE BOX.

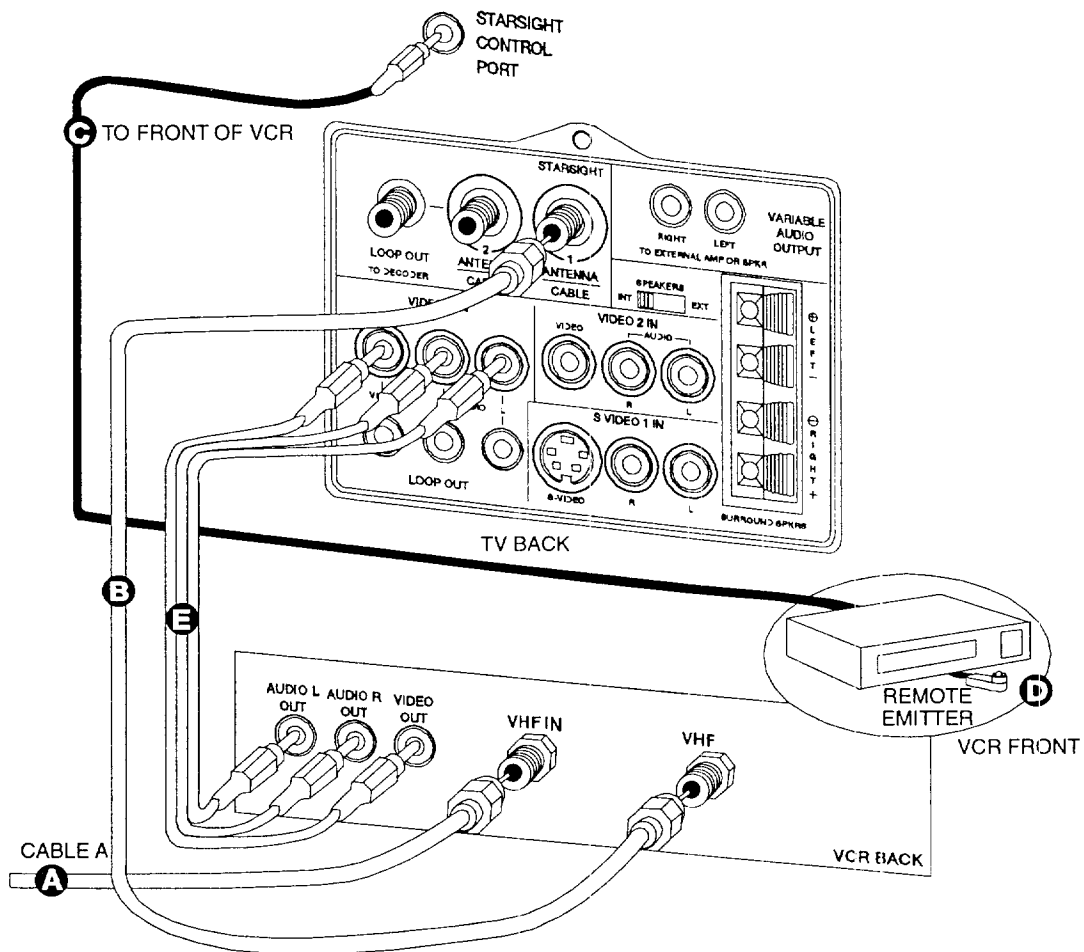
7. Tune your Cable Box to the PBS channel listed on your Subscription Check list.
8. Turn on your TV. Using the number pad on your TV remote control (MBR3462), tune your TV to the channel that allows you to watch Cable TV, usually channel 3 or 4. If these channels don't show your Cable TV service, then try putting your TV on channel 2, 5, or 6.
9. Proceed to "Step 3. Auto Programming Your TV."



INSTALLING STARSIGHT

Setup 3: TV and VCR

1. Attach the cable coming out of the wall **A** to the "VHF In" (FROM ANTENNA) jack of your VCR.
 2. Attach an RF cable **B** to your VCR's "VHF Out" (TO TV) jack, and the other end of this cable to the "ANT/CABLE 1" jack on the back of your TV.
 3. Take the Remote Emitter — it's a wire with a plug at one end and two plastic bulbs at the other ends — and push the plug of the Remote Emitter wire **C** into the "StarSight Control Port" on the back of the TV. Run the Remote Emitter wire under the VCR and place either one of the plastic bulbs about two inches in front of the front panel of the VCR. Make sure that the plastic bulb is facing the front panel of the VCR **D**. Do not adhere the Remote Emitter at this time. After you have completed subscribing to StarSight, and you have confirmed the correct code that operates your VCR you can peel off the backing of the sticker on the Remote Emitter and adhere it permanently.
 4. If you have a VCR without a front panel channel indicator that uses an on-screen display, then attach an Audio/Video **E** cable to the "Video Out" jack on the back of your VCR and the other end of this cable to the "Video" jack in the "Video 1 In" section on the back of your TV. This cable will be needed for a VCR test.
- OR
- If you have a stereo VCR and would like to take advantage of the stereo feature and/or PIP, then you will need to connect the Audio/Video cables **E**. Locate the section in the back of your TV labeled "Video 1 In." Attach the three plugs to the "Video," "Audio R" and "Audio L" jacks of your TV, and attach the other ends of the three plugs to the corresponding "Video Out," "Audio R Out" and "Audio L Out" jacks on the back of your VCR.
5. Plug your VCR into a power outlet and leave it off.
 6. Plug your TV into a power outlet not controlled by a light switch and turn your TV on.
 7. Proceed to "Step 3. Auto Programming Your TV."



INSTALLING STARSIGHT

Setup 4: TV and VCR and Cable Box

NOTE: DO NOT UNPLUG YOUR CABLE BOX AT ANY TIME.

1. Turn off your Cable Box.
2. Attach the cable coming out of the wall **A** to the "ANT/CABLE 2" jack on the back of your Zenith TV.
3. Attach an RF cable **B** to your TV's "LOOP OUT TO DECODER" jack, and the other end of this cable to your Cable Box's "Input" or "Cable In" jack.
4. Attach an RF cable **C** to your Cable Box's "Output" or "TV Set" jack, and the other end of this cable to the "VHF In" (FROM ANTENNA) jack of your VCR.
5. Attach an RF cable **D** to your VCR's "VHF Out" (TO TV) jack, and the other end of this Cable to the "ANT/CABLE 1" jack on the back of your TV.
6. Take the Remote Emitter — it's a wire with a plug at one end and two plastic bulbs at the other ends — and push the plug of the Remote Emitter **E** wire into the "StarSight Control Port" on the back of the TV. Run one Remote Emitter wire under the VCR and place one of the plastic bulbs about two inches in front of the front panel of the VCR **F**. Make sure that the plastic bulb is facing the front panel of the VCR. Do the same for the Cable Box. Do not adhere the Remote Emitters at this time. After you have completed subscribing to StarSight, and you have confirmed the correct codes that operate your VCR and Cable Box, you can peel off the backing of the stickers on the Remote Emitters and adhere them permanently.
7. If you have a VCR without a front panel channel indicator that uses an on-screen display, then attach an Audio/Video cable **H** to the "Video Out" jack on the back of your VCR and the other end of this cable to the "Video" jack in the "Video 1 In" section on the back of your TV. This cable will be needed for a VCR test.

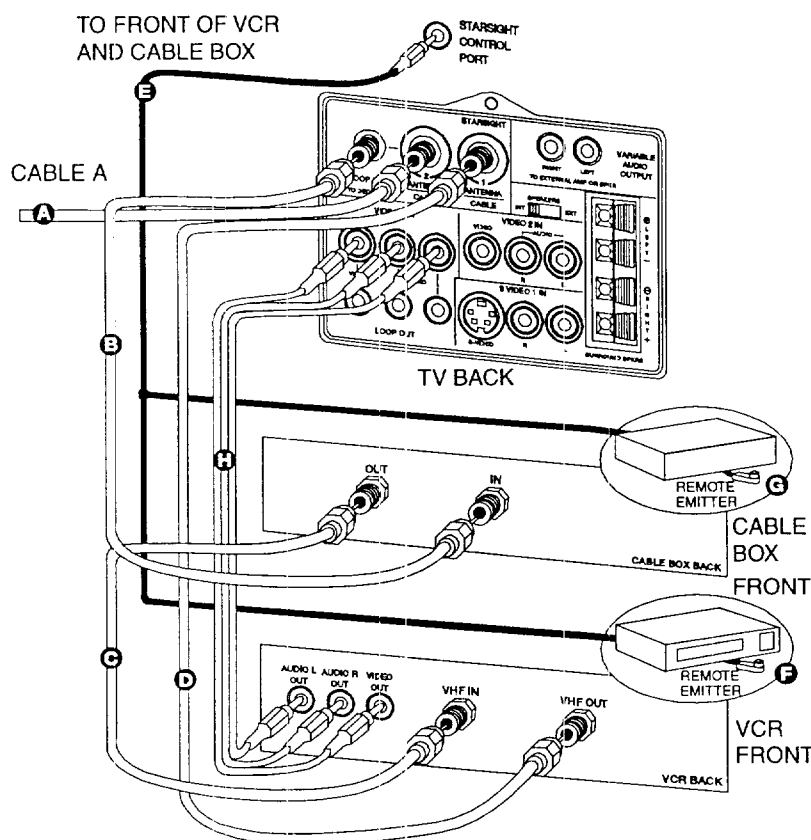
OR

If you have a stereo VCR and would like to take advantage of the stereo feature and/or PIP, then you will need to connect the Audio/Video cables **H**. Locate the section in the back of your Zenith TV labeled "Video 1 In". Attach the three plugs to the "Video," "Audio R" and "Audio L" jacks of your Zenith TV, and attach the other ends of the three plugs to the corresponding "Video Out," "Audio R Out" and "Audio L Out" jacks on the back of your VCR.

8. Plug your VCR into a power outlet and leave it off.
9. Turn on your Cable Box.
10. Plug your TV into a power outlet not controlled by a light switch.

NOTE: DO NOT PLUG YOUR TV INTO THE BACK OF YOUR CABLE BOX.

11. Tune your Cable Box to the PBS channel listed on your Subscription Checklist.
12. Turn on your TV. Using the number pad on your TV remote control (MBR3462), tune your TV to the channel that allows you to watch Cable TV, usually channel 3 or 4. If these channels don't show your Cable TV service, then try putting your TV on channel 2, 5, or 6.
13. Proceed to Installation "Step 3. Auto Programming Your TV."



INSTALLING STARSIGHT

STEP 3. Auto Programming Your TV.

Auto Program lets your TV know what channels are available via antenna or cable. For StarSight to function properly, *you must complete this step.*

1. Your TV comes equipped with two remote controls—a trackball type and a multibrand conventional type. **Use the MBR3462 Multibrand Remote for this procedure.**
2. Press TV at the top of the multibrand remote. Then press TV/VCR SOURCE. At the top of the TV screen, five menus are displayed: SOURCE, SETUP, AUDIO, VIDEO, and PIP. Use UP ARROW and DOWN ARROW to highlight ANT/CABLE 1 and press ENTER/TUNE. Now press MENU/GUIDE twice. SETUP is highlighted. Use UP ARROW and DOWN ARROW to highlight AUTO PROGRAM.
3. Press LEFT ARROW or RIGHT ARROW. On the next screen, select OFF AIR ANTENNA or CABLE BOX by pressing UP ARROW or DOWN ARROW. If you used Setups 1 or 3 with cable, select CABLE TV.
4. Make sure that your cable box is turned on and that your VCR is turned off. Press LEFT ARROW or RIGHT ARROW to begin AUTO PROGRAM.
5. When AUTO PROGRAM is complete, it indicates the number of channels found, and after a short period, the TV returns to normal viewing.
6. Perform this step only if you have a Cable System and used Setup 4. Otherwise, skip to step 7.
Press the TV button near the top of the remote. You must now AUTO PROGRAM ANT/CABLE 2. Press TV/VCR SOURCE. Press DOWN ARROW to highlight ANT/CABLE 2. Press ENTER/TUNE. Next, press MENU/GUIDE twice to highlight SETUP. Use UP ARROW to highlight AUTO PROGRAM. Press RIGHT ARROW. When AUTO PROGRAM is completed, press TV/VCR SOURCE and then UP ARROW to return to ANT/CABLE 1.
7. Press STAR to enter StarSight mode.
8. Proceed to “Step 4. Subscribing to StarSight.”

STEP 4. Subscribing to StarSight

To bring StarSight information into your home, you must subscribe to StarSight. You start the process directly through your TV, in a series of easy steps that take only minutes.

First, you must be sure that you:

- have completed the Subscription Checklist.
- have followed the step-by-step installation instructions on the preceding pages that apply to your video equipment.
- have your Zenith/StarSight multibrand remote control handy.
- have a videotape ready that you can use for a 30-second recording test (if you have a VCR).
- have a telephone nearby to call StarSight’s toll-free subscription number: 1-800-643-STAR.

How to Subscribe to StarSight:

1. If you have a Cable Box, make sure that it is tuned to the PBS channel listed on the Subscription Checklist. If you do not have a Cable Box, be sure that your TV is tuned to the correct PBS channel. StarSight will search for schedule information on this channel.
2. Press STAR on your Zenith multibrand remote control to get into StarSight mode.
The StarSight Menu will be displayed with “Activate for StarSight” highlighted.
3. Press ENTER/TUNE to begin subscription. Then follow the on-screen instructions.
4. StarSight will ask you about your equipment, search for schedule information on your PBS station and display your STAR # and ID #. (Enter these numbers in paragraph “C” of your Subscription Checklist.) You will also be asked to call StarSight.
5. The StarSight representative will ask you for some subscriber information, and will authorize you to receive StarSight.
6. When you have been authorized, you’ll see a screen that says: Congratulations!

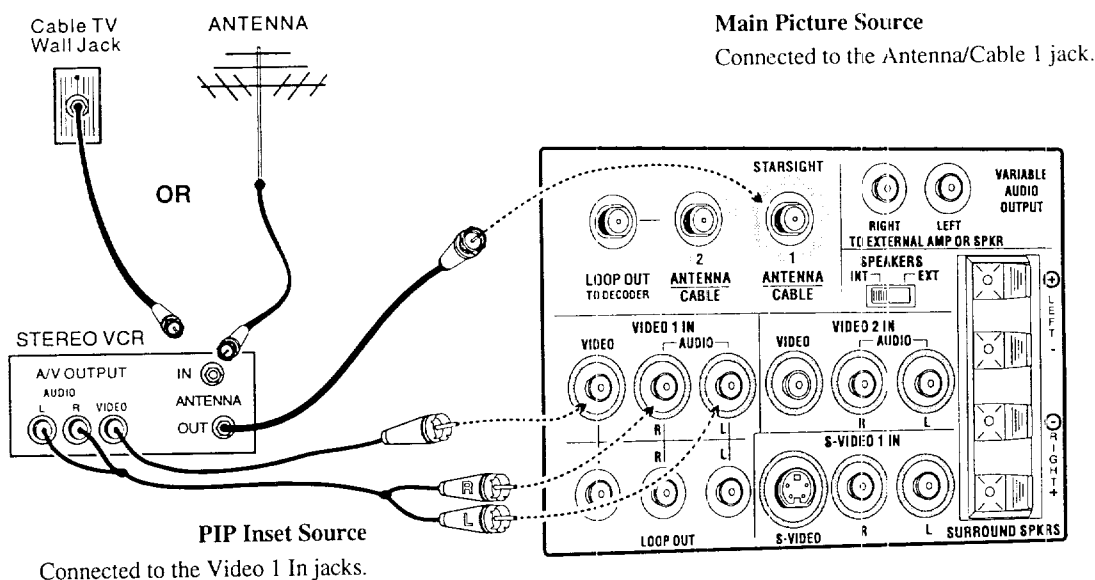
YOU SHOULD ALSO KNOW...

- If no schedule data is found, you may be tuned to the wrong PBS station. Check the PBS station written on your Subscription Checklist and try again. Or, try tuning to a different PBS station that is listed for your area in the “TESTING STARSIGHT” Section. (If no station is listed for your area, call 1-800-628-STAR for further information.)

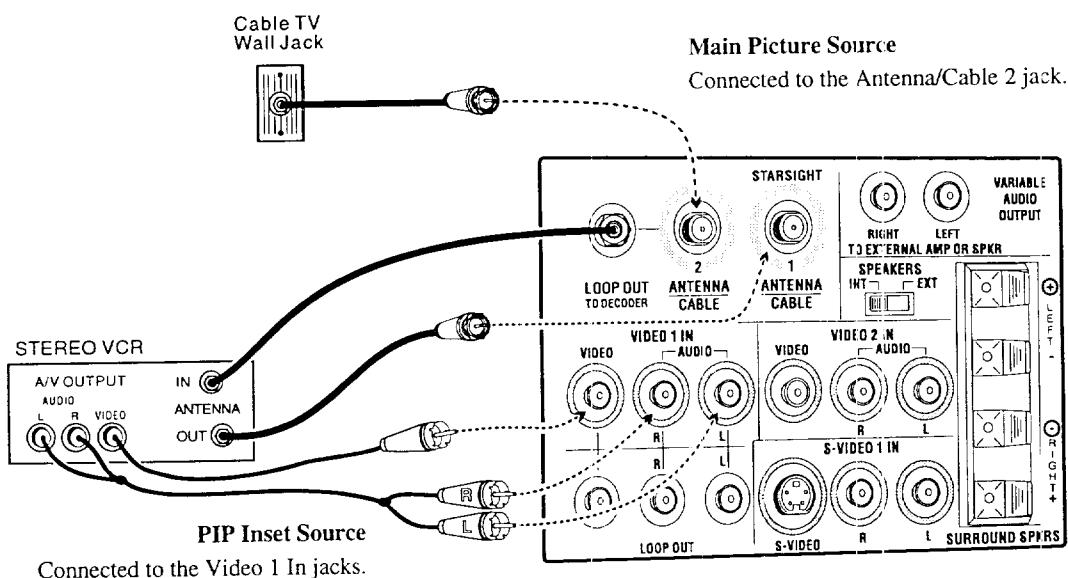
STANDARD CONNECTIONS FOR YOUR TV

CONNECTIONS FOR USING PIP

The illustrations that follow show the three most common connections for using Picture-In-Picture (PIP). For further information on the actual use of PIP, refer to the "PIP OPERATION" section of this operating guide.



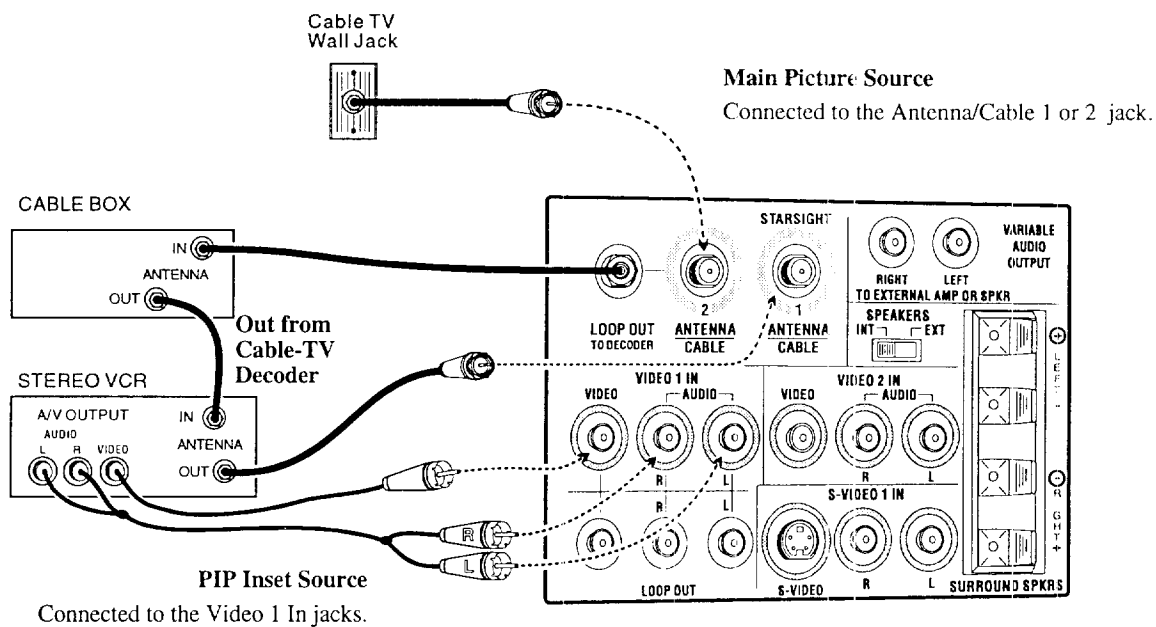
Option 1: Antenna or Direct Cable Connection To VCR.
(Optional cables are not supplied with television.)



Option 2: Direct Cable Connection via Loop Out To VCR.
(Optional cables are not supplied with television.)

STANDARD CONNECTIONS FOR YOUR TV

CONNECTIONS FOR USING PIP (Continued)



Option 3: Cable-TV Decoder Connection via Loop Out To VCR.
(Optional cables are not supplied with television.)

THE FIRST TIME YOU OPERATE YOUR TV

TYPICAL CONTROL PANEL

The control panel on your TV may differ from the one shown but its operation is the same.

ENTER (ENT)

Press to see the Channel/Time display, or to remove any on-screen display or menu.

SELECT (SEL)

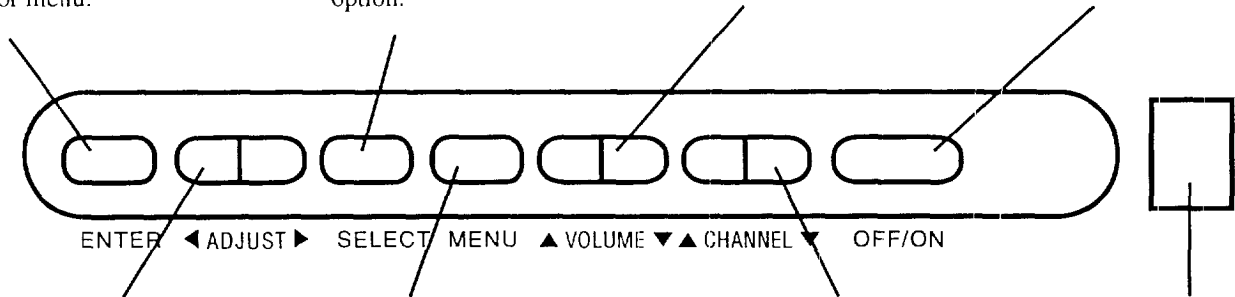
Press during on-screen menu operations to select a menu option.

VOLUME (VOL) Up/Down

Press to increase or decrease the sound level.

OFF-ON

Press to turn TV power ON or OFF.



ADJUST (ADJ) Left/Right

Press during on-screen menu operation to see information/status display for selected option. Press again to adjust the selected menu option.

MENU

Press once to see a menu. Press repeatedly to sequence through the available menus.

CHANNEL (CH) Up/Down

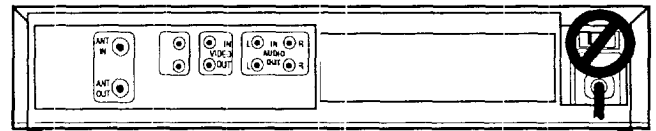
Press to select channels higher or lower than the current channel. To add or delete channels stored in the scanning sequence, see CH. ADD/DEL option.

Remote Window

Point the remote control towards this window to operate the TV.

STEP 1. CONNECT THE POWER

1. Plug your TV into an unswitched AC power source.
2. Turn the TV on by pressing OFF-ON.



Do not plug TV into switched outlet on a VCR or cable-TV decoder

STEP 2. SELECT YOUR MAIN VIEWING SOURCE

A TV supply view the equipment connected to the TV that id sound to your TV. You select the ng the SOURCE MENU.

To vi Menu

1. Press SOURCE on your remote until the Source Menu is displayed on the TV.
2. Press the Left or Right keys to select Main Source column.
3. Press the Up or Down arrow keys to select the source which corresponds to the jack on the connection panel that is receiving the input signal.
4. Press QUIT to remove the menu.

Main Source	PIP Source
Ant/Cable 1	Ant/Cable 1
Ant/Cable 2	
Video 1	Video 1
Video 2	Video 2
S-Video 1	S-Video 1
◀▶ Main/PIP ↑↓ To Select Source	

Source Menu with Main Source column highlighted and ANT/CABLE 1 the selected source. Connection must made to ANT/CABLE 1 jack on connection panel.

THE FIRST TIME YOU OPERATE YOUR TV

STEP 3. USE AUTO PROGRAM

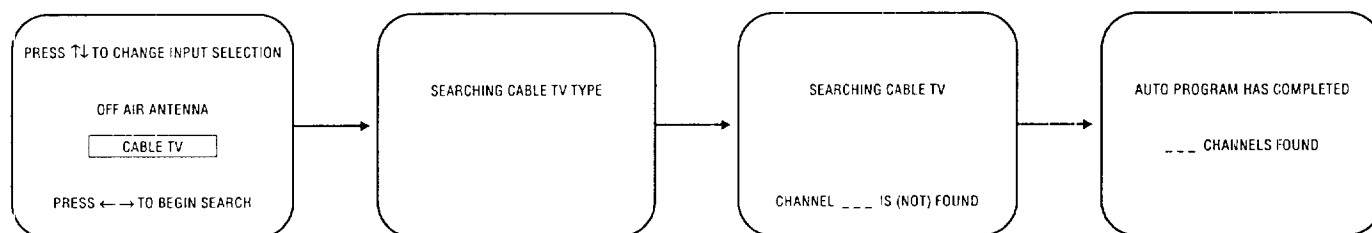
When your TV is first powered up, **Auto Program** will be selected in the **Setup Menu**. **Auto Program** finds all available channels on the currently selected source and stores them in the memory of the TV.

To start the **Auto Program** procedure, press the **Left** or **Right** arrow key. Follow the instructions on the TV.

Auto Program
Ch. Add/Del
Ch. Labels
Source ID
Clock Set
Timer Setup
Parental Ctl
Caption/Text
Background
StarSight

Press ◀▶ To Program

Setup Menu with Auto Program Highlighted



1 Press ↑↓ to select either **OFF AIR ANTENNA** or **CABLE TV**.

2 Press ←→ to begin channel search.

3 Wait a few seconds for the TV screen to clear.

STEP 4. SET THE CLOCK

1. Press **MENU** on your remote until the **SETUP ICON** is selected, displaying the **Setup Menu**.
2. Press the **Up** or **Down** arrow key to select **Clock Set**.
3. Use the numbered buttons on the remote control to enter the correct time and press the **TIMER** button to select **AM** or **PM**. You can also use the **Left** or **Right** keys to advance the clock.
4. Press **ENTER** to start the clock and remove the menu.

Auto Program
Ch. Add/Del
Ch. Labels
Source ID
Clock Set
Timer Setup
Parental Ctl
Caption/Text
Background
StarSight

◀ 10:30 AM ▶

Setup Menu with Clock Set Highlighted

STEP 5. USE OTHER OPTIONS

You may want to consider using the following options:

- Delete undesirable channels or add additional channels: Refer to the **Ch. (Channel) Add/Del** option for details.
- Adjust options in the **Audio** and **Video Menus**.
- Label channels (such as **ABC**) that appear in the **Channel/Time** display: Refer to the **Ch. (Channel) Labels** option for details.
- Use the **Parental Control** feature to block the viewing of undesirable channels: Refer to the **Parental Ctl.** option for details.

REMOTE CONTROL MBR3462

INTRODUCTION

This multi-brand remote control operates the common features of most, but not all, models and brands of IR (infrared) controlled TVs, VCRs, cable converters, video disc players, and audio equipment. The remote may provide functions that are not available on your equipment, e.g., menu operations. Some functions of your particular equipment may not be controlled by this remote. In such cases, use the original remote control for your equipment.

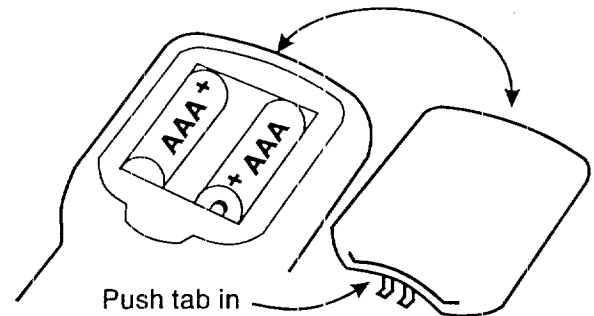
BATTERY INSTALLATION

Batteries are provided, but must be installed before using the remote control. When it no longer functions normally, or when it loses memory, replace the batteries with two high-quality, alkaline, size AAA batteries. Match plus with plus (+ with +), minus with minus (– with –) in the battery compartment.

Unless your equipment responds to the factory preset codes commonly used for Zenith products, i.e., 101 for TV, 201 for VCR, 353 for CABLE, and 401 for AUX., you will need to re-program the remote control with the brand codes of your particular equipment whenever you replace batteries.

NOTES:

- Do not place heavy objects on top of the remote control keys. Prolonged unintentional operation of the remote shortens battery life.
- Remove the batteries if the remote control will not be used for a month or more. **Battery leakage can permanently damage the remote, for which Zenith is not responsible.**



CHOOSING OPERATING MODE

To control your TV, VCR, cable box, or auxiliary equipment with this remote, you must first choose the mode of operation. Press the desired mode key for TV, VCR, CABLE or AUX. Pressing the ★ (Star) key will put the remote into **StarSight™** mode. Press **TV** to return to TV mode. Some keys on the remote will always operate a particular product function. For example, **VOLUME** controls the TV sound level, and **PLAY** controls the VCR play function.

INDICATOR LIGHT

Illuminates whenever remote sends signal.

OPERATING MODE KEYS

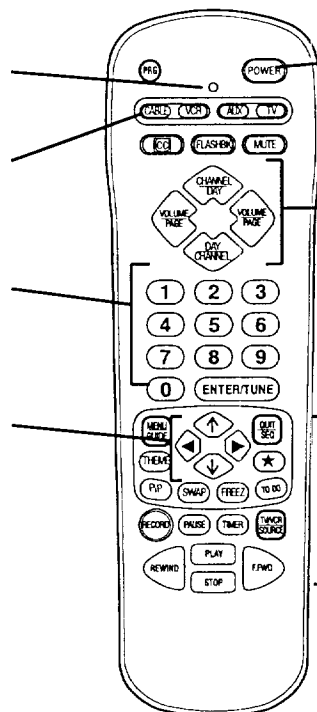
Selects equipment to be controlled.

NUMBER KEY PAD

Initiates menu/equipment programming, direct channel selection and other functions.

LOWER ARROW KEY PAD

Keys perform different functions depending on the operating mode currently selected. See the following pages for more details of the various operating modes.



POWER KEY

Switches power ON or OFF to selected equipment.

UPPER ARROW KEY PAD

Keys perform different functions depending on the operating mode currently selected. See the following pages for details of each operating mode.

SPECIAL FUNCTION KEYS

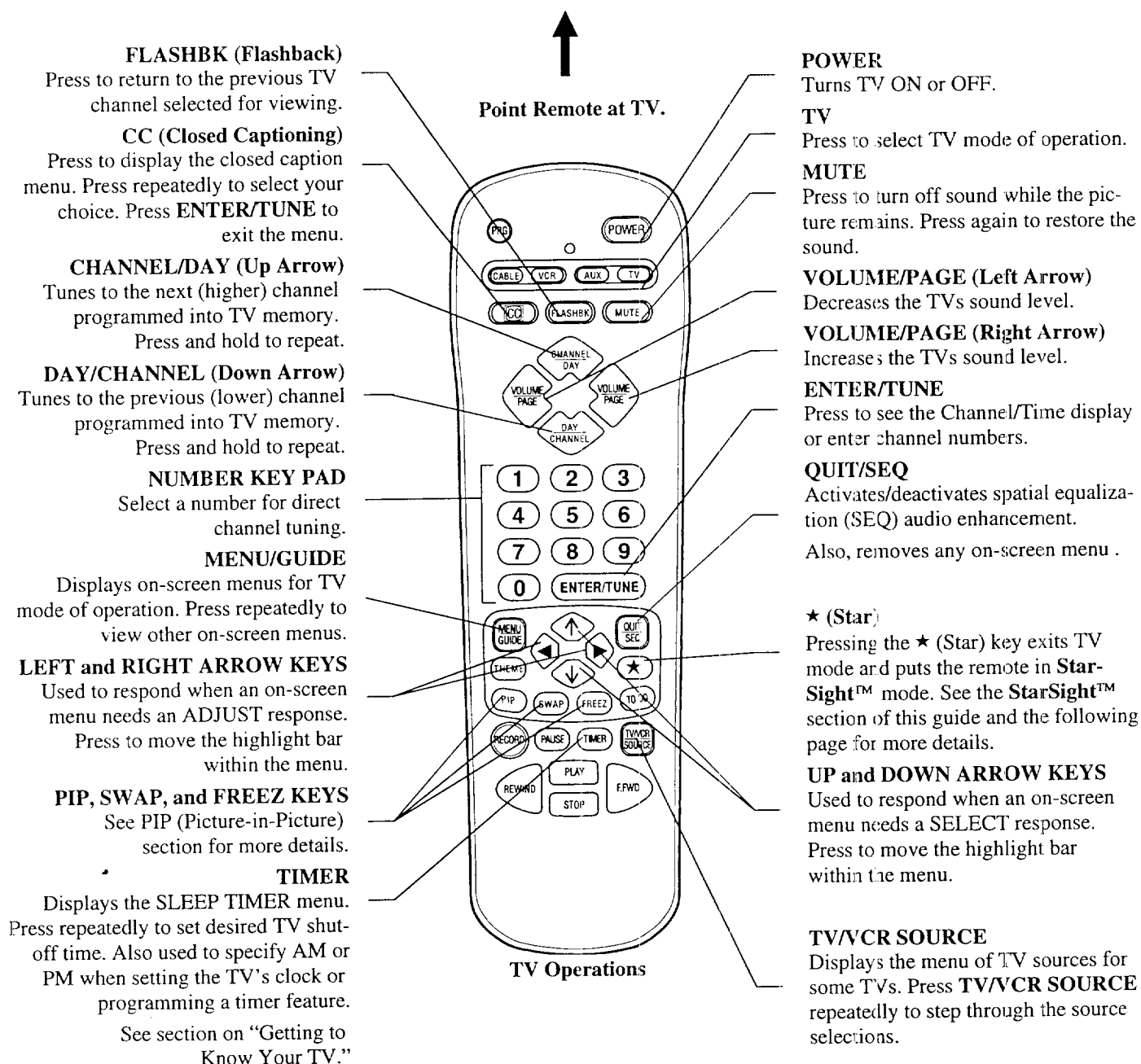
Activates special features on some TVs and VCRs.

StarSight™ is a trademark of StarSight Telecast Inc., Fremont, CA 94538.

REMOTE CONTROL MBR3462

TV OPERATIONS

These descriptions apply to functions and operations of your TV.
First, press the **TV** button on the remote control to select the TV mode of operation.



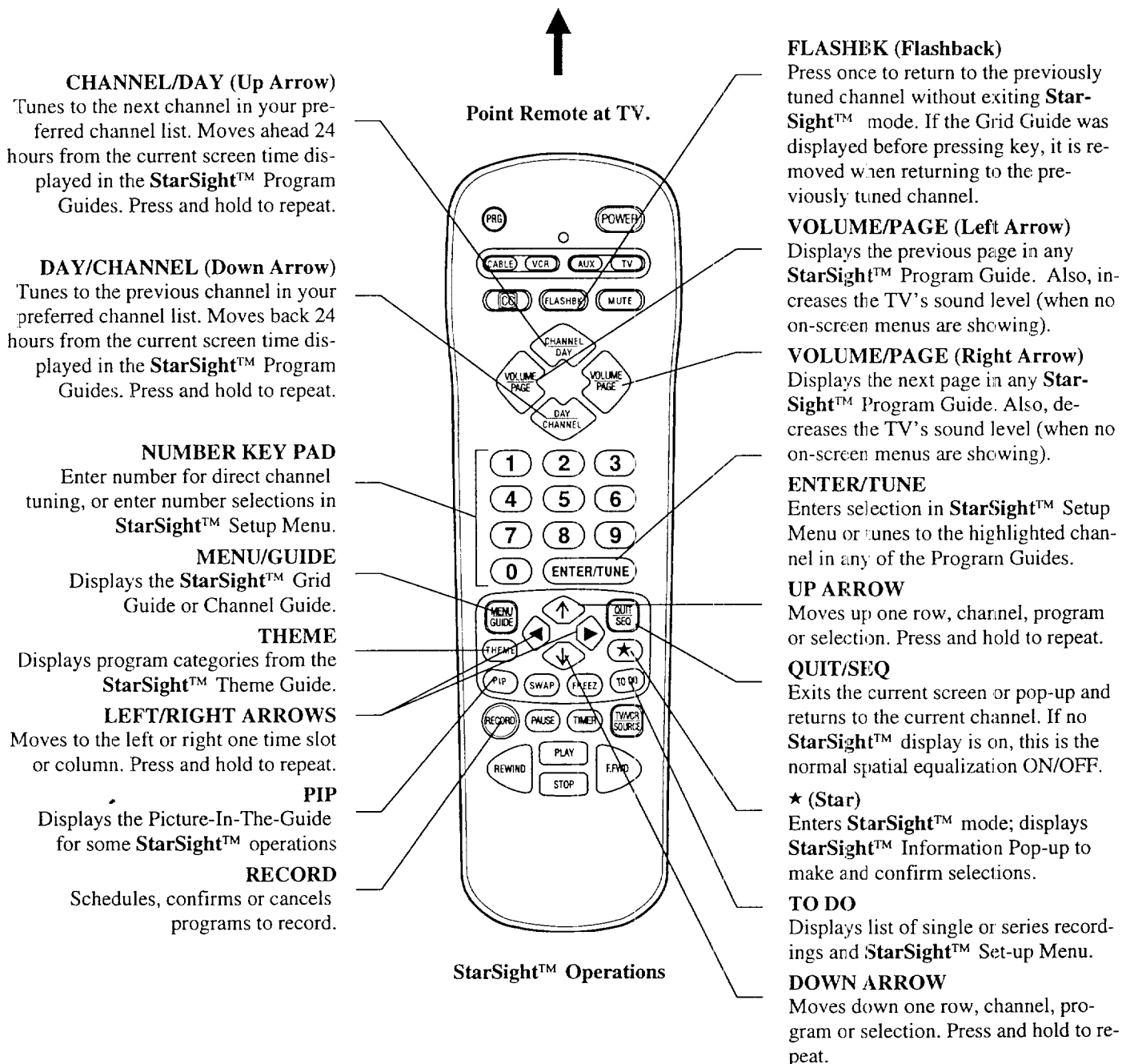
NOTE:

- Keys dedicated to VCR functions may be used to operate your VCR while the remote is in TV mode.

REMOTE CONTROL MBR3462

STARSIGHT™ OPERATIONS

These functions and operations apply only to the **StarSight™** mode of operation. Before these functions become available, however, your video equipment must be registered with **StarSight™**. Carefully follow the instructions for this procedure in the **StarSight™** section of this guide. TV must be in the ANT/CABLE 1 position on the TV's Source Menu to access **StarSight™** functions. Pressing the ★ (Star) key allows the remote control to enter **StarSight™** mode. Press any other mode key (TV, VCR, CABLE or AUX.) to exit this mode.



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REMOTE CONTROL MBR3462

OPERATIONAL MODES FOR ZENITH PRODUCTS USING FACTORY PRESET CODES

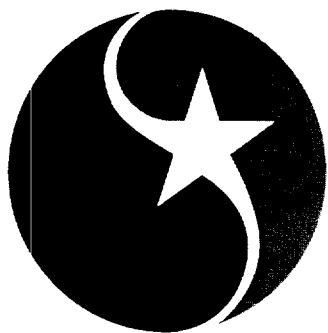
Pushbutton or Key Label	TV Mode Zenith Code 101	StarSight™ Mode accessed with ★	VCR Mode Zenith Code 201	Cable Mode Zenith Code 353	AUX Mode Zenith Code 401
POWER	TV Power On/Off	Star Power On/Off	VCR Power On/Off	Cable Power On/Off	AUX Power On/Off
CABLE	Selects Cable Mode	Selects Cable Mode	Selects Cable Mode	Selects Cable Mode	Selects Cable Mode
VCR	Selects VCR Mode	Selects VCR Mode	Selects VCR Mode	Selects VCR Mode	Selects VCR Mode
AUX	Selects AUX Mode	Selects AUX Mode	Selects AUX Mode	Selects AUX Mode	Selects AUX Mode
TV	Selects TV Mode	Selects TV Mode	Selects TV Mode	Selects TV Mode	Selects TV Mode
CC	TV Closed Captions	TV Closed Captions	VCR AM/PM	CABLE FC (Favorite Ch.)	AUX Audio
FLASHBK	TV Flashback	StarSight Flashback	VCR Flashback	CABLE Flashback	AUX Frame/Time
MUTE	TV Mute	StarSight Mute	TV Mute	TV Mute (See Note 1)	TV Mute
CHANNEL/DAY UP	TV Channel Up	StarSight CH/Day Up	VCR Channel Up	CABLE Channel Up	AUX Skip >>
CHANNEL/DAY DN	TV Channel Dn	StarSight CH/Day Dn	VCR Channel Dn	CABLE Channel Dn	AUX Skip <<
VOLUME/PAGE UP	TV Volume Up	StarSight Vol/Page Up	TV Volume Up	TV Volume Up (See Note 1)	TV Volume Up
VOLUME/PAGE DN	TV Volume Dn	StarSight Vol/Page Dn	TV Volume Dn	TV Volume Dn (See Note 1)	TV Volume Dn
1	TV Digit 1	StarSight Digit 1	VCR Digit 1	CABLE Digit 1	AUX Digit 1
2	TV Digit 2	StarSight Digit 2	VCR Digit 2	CABLE Digit 2	AUX Digit 2
3	TV Digit 3	StarSight Digit 3	VCR Digit 3	CABLE Digit 3	AUX Digit 3
4	TV Digit 4	StarSight Digit 4	VCR Digit 4	CABLE Digit 4	AUX Digit 4
5	TV Digit 5	StarSight Digit 5	VCR Digit 5	CABLE Digit 5	AUX Digit 5
6	TV Digit 6	StarSight Digit 6	VCR Digit 6	CABLE Digit 6	AUX Digit 6
7	TV Digit 7	StarSight Digit 7	VCR Digit 7	CABLE Digit 7	AUX Digit 7
8	TV Digit 8	StarSight Digit 8	VCR Digit 8	CABLE Digit 8	AUX Digit 8
9	TV Digit 9	StarSight Digit 9	VCR Digit 9	CABLE Digit 9	AUX Digit 9
0	TV Digit 0	StarSight Digit 0	VCR Digit 0	CABLE Digit 0	AUX Digit 0
ENTER/TUNE	TV Enter	StarSight Enter/Tune	VCR Enter	CABLE Enter	AUX Display
MENU/GUIDE	TV Menu	StarSight Guides	VCR Menu	CABLE Menu	AUX Program
THEME	(No Function)	StarSight Theme	(No Function)	(No Function)	(No Function)
UP ARROW	TV Select Up	StarSight Select Up	VCR Select Up	CABLE Up Arrow	AUX Part
DOWN ARROW	TV Select Dn	StarSight Select Dn	VCR Select Dn	CABLE Down Arrow	AUX Random
LEFT ARROW	TV Adjust Left	StarSight Adjust Left	VCR Adjust Left	CABLE Left Arrow	AUX x3 FAST <
RIGHT ARROW	TV Adjust Right	StarSight Adjust Right	VCR Adjust Right	CABLE Right Arrow	AUX x3 FAST >
QUIT/SEQ	TV SEQ Sound/Quit	StarSight Quit	VCR Quit	CABLE Quit	AUX Clear
★ (Star)	Enters StarSight Mode	Enters StarSight Mode	Enters StarSight Mode	Enters StarSight Mode	Enters StarSight Mode
PIP	TV PIP On/Off	StarSight PIP On/Off	VCR VCR+	CABLE Day Up	AUX Repeat-Side
SWAP	TV PIP Swap	TV PIP Swap	VCR Channel Map	CABLE Day Down	AUX Repeat-A-B
FREEZ	TV PIP Freeze	TV PIP Freeze	VCR Search	CABLE Pg Up/★	AUX Repeat-Chap
TO DO	(No Function)	StarSight To Do	VCR Memory	CABLE Pg Dn/#	AUX Memory
TIMER	TV Timer	TV Timer	VCR Timer	CABLE Timer	AUX Still ><
TV/VCR/SOURCE	TV Source	TV Source	VCR TV/VCR Tuner	CABLE Info	AUX TV/Disc
RECORD	VCR Record	StarSight VCR Record	VCR Record	CABLE Buy	AUX Edit
PAUSE	VCR Pause	VCR Pause	VCR Pause	CABLE Guide	AUX Pause
REWIND	VCR Rewind	VCR Rewind	VCR Rewind	VCR Rewind	AUX Scan <<
PLAY	VCR Play	VCR Play	VCR Play	VCR Play	AUX Play
STOP	VCR Stop	VCR Stop	VCR Stop	VCR Stop	AUX Stop/Eject
FFWD	VCR Fast Forward	VCR Fast Forward	VCR Fast Forward	VCR Fast Forward	AUX Scan >>

NOTES:

1. Can be overwritten with Cable Vol/ Mute when 399 is entered.

Reference: 124-205-05 and

µP 221-879-03



STARTM
S I G H T

Installing StarSight

Testing StarSight

Using MBR3462 Remote

Using Z-Trak Remote



STARTM
S I G H T

StarSight Telecast, Inc.
39650 Liberty Street
Fremont, CA 94538

Part No. 206-2918
Printed in U.S.A.
EP-EDCBAO



recycled paper

ZENITH
WATCH US.



TO BE LICENSED TO USE THE STARSIGHT SYSTEM AND STARSIGHT FEATURES OF THIS EQUIPMENT, YOU MUST BE REGISTERED WITH STARSIGHT OR AN AUTHORIZED REPRESENTATIVE. LICENSED UNDER U.S. PATENT NUMBERS 4,706,121 AND 5,151,789. USE RIGHTS RESERVED.

STARSIGHT IS NOT IN ANY WAY LIABLE FOR THE ACCURACY OF THE PROGRAM SCHEDULE INFORMATION PROVIDED BY THE STARSIGHT SYSTEM. IN NO EVENT SHALL STARSIGHT BE LIABLE FOR ANY AMOUNTS REPRESENTING LOSS OF PROFITS, OR INDIRECT, SPECIAL, OR CONSEQUENTIAL DAMAGES IN CONNECTION WITH THE PROVISION OR USE OF ANY INFORMATION, EQUIPMENT, OR SERVICE RELATING TO THE STARSIGHT SYSTEM.

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Patent Statement

The StarSight Guide system and its use are protected by one or more of the following U.S. patents: U.S. Patent No. 4,706,121, U.S. Patent No. 5,151,789; use rights reserved. For licensing and subscription information, call (800) 643-STAR.

Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trademark Statement

StarSight is a trademark of StarSight Telecast Inc.

**To Activate StarSight
Call (800) 643-STAR**

**For the
StarSight Help
Desk, Call
(800) 628-STAR**

**For Zenith
Customer
Support, Call
(312) 745-5152**

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How to use this operating guide

Standard TV installation and operation is given in this portion of the operating guide. Follow the procedures given if you will not be using StarSight™. Refer to the other portion of this operating guide for StarSight™ installation and operation.

INTRODUCTION

WELCOME

Welcome into the family of Zenith Color Television owners. This guide provides instructions on how to operate your new TV. It is supplemented by a booklet containing Safety Tips. We urge you to read these publications carefully so that you will receive full enjoyment from your new Zenith TV for many years to come.

Your new TV has been designed and built to give you the very best in quality, features and performance. There are thousands of Zenith Authorized service centers throughout the U.S., Canada and Mexico who can attend promptly and effectively to ordinary service needs.

If you should have an unusual performance or service problem that cannot be satisfactorily resolved by your Zenith dealer or Zenith Authorized service center, contact us at:

Zenith Electronics Corporation

Customer Service Department

1000 N. Milwaukee Avenue

Glenview, IL 60025

Telephone: (312) 745-5152

Mon-Fri, 8:00 a.m. - 4:30 p.m. Central Time

Send the model number, serial number, and date of purchase or original installation, with a full explanation of the problem and the service history. We will welcome the opportunity to look into your specific question or problem and to be of assistance in resolving it promptly.

The model and serial numbers of your new TV are located on the back of the TV cabinet. For your future convenience and protection, we suggest that you record these numbers here:

Model No. _____

Serial No. _____



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INSTALLATION CONSIDERATIONS

Before you install your TV...



Ventilation — Proper ventilation keeps your TV running cool. Air circulates through perforations in the back and bottom of the cabinet. Do not block these vents or you will shorten the life of your TV.



Power Source — Your TV is designed to operate on normal household current, 120 volt 60 Hertz AC. Do not attempt to operate it on DC current.



Power Cord — Your power cord has a polarized plug as required by Underwriters' Laboratories. It has one regular blade and one wide blade and fits only one way into a standard electrical outlet. If the blades will not enter either way, your outlet is very old and non-standard. A new outlet should be installed by a qualified electrician.



Safe Operation — Your TV is manufactured and tested with your safety in mind. However, unusual stress caused by dropping or mishandling, exposure to flood, fire, rain or moisture, or accidental spilling of liquids into the TV, can result in potential electrical shock or fire hazards. If this happens, have your TV checked by a service technician before using it again.

Please read and observe each safety point in the "Safety Tips" folder when installing and using your TV.

VIDEO GAMES AND OTHER FIXED

PATTERN DISPLAY CAUTION — If you use your TV for video games, teletext or other fixed displays, avoid setting the BRIGHTNESS control for an excessively bright picture. A bright, fixed pattern, if used for long periods of time, can result in a permanent imprint on the TV picture tube. You can reduce this possibility by alternating the use of the fixed pattern display with normal TV picture viewing, by turning down the CONTRAST control for sustained fixed pattern use, and by turning off the fixed pattern display when not in use.

PLUGGING IN YOUR TV — Be sure to plug your TV into an "unswitched" AC power source. The "switched" AC outlets found on some video equipment will not continue supplying power to the TV once the equipment is turned off. If the power to the TV is interrupted, you will have to reset the clock in the TV to the current time.

INTRODUCTION

METHODS OF OPERATION

Your TV is a very sophisticated appliance. Optional features, video picture adjustments and audio sound adjustments are performed through on-screen menus and displays. Self explanatory ICONS are used throughout. Most features can be selected and adjusted from the comfort of your favorite chair by using either of the infrared remote controls.

Either of two remote controls can be used to operate the TV. Use the multi-brand programmable remote if you have different brands and types of equipment in your video system which you need to control remotely. Use the Z-Trak programmable remote if you feel comfortable using track-ball access similar to that provided by the familiar computer mouse device. Many features can be selected and adjusted by using the control panel provided on the TV.

StarSight™ provides an electronic programming guide which is updated with new scheduling information automatically on a periodic basis. StarSight™ allows you to rapidly scan through the programming guide to find a program for viewing or recording. Programs can be searched and selected by category if desired.

Method of Operation	Standard TV	StarSight™
• Control Panel on TV.	YES	NO
• MBR3462 Multi-brand Remote Control	YES	YES
• MBR1020 Z-Trak Remote Control	YES	YES

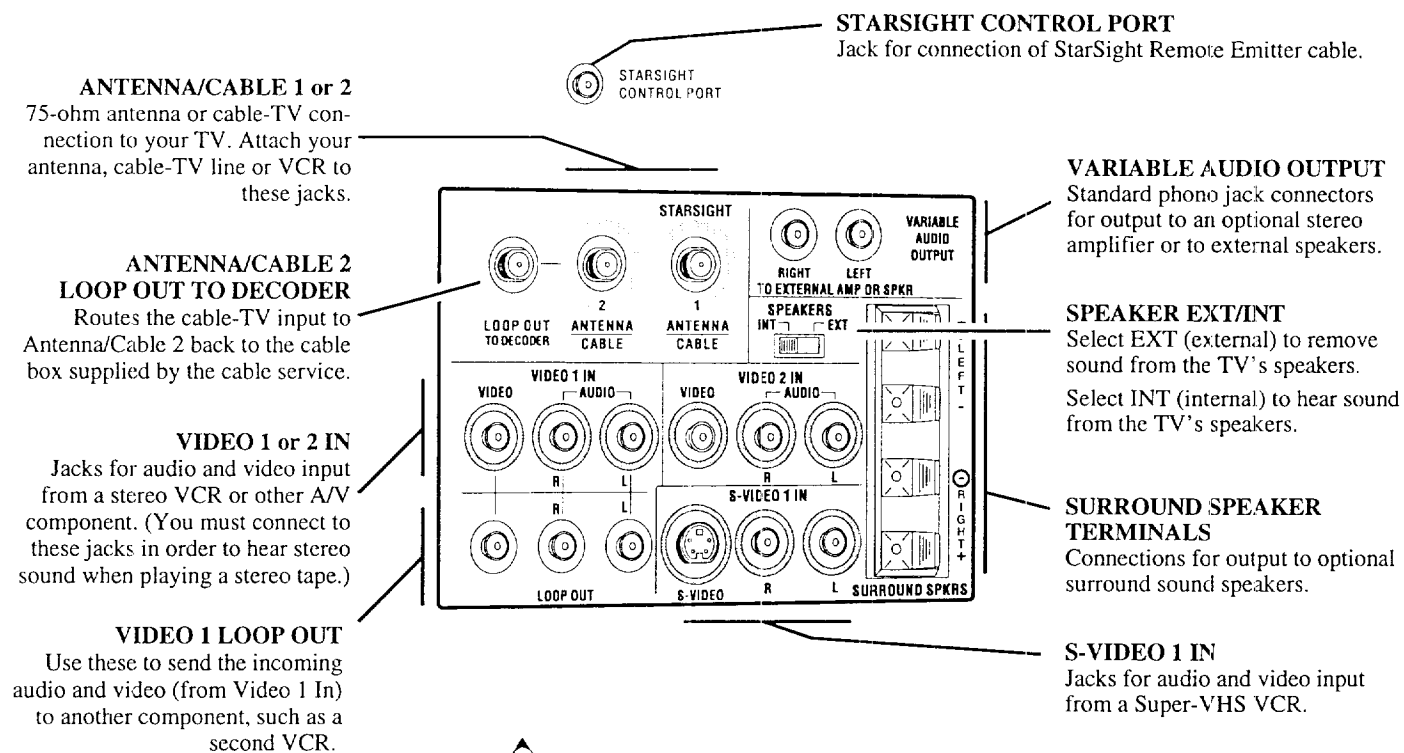
FEATURES PROVIDED WITH YOUR TV

This operating guide describes a family of TV models. Not all models have all of the features described in this guide. Different control panels may be used from model to model. Most models include the following features:

FEATURE	MODEL	SR2745, SR3247	SR2786, SR2789, SR3289, SR3589	SR3547
• StarSight™ Electronic Program Guide		Y	Y	Y
• StarSight™ Demonstration		Y	Y	Y
• On-Screen Menus Accessed By Remote or TV Controls		Y	Y	Y
• Multi-Brand Programmable Remote Control		MBR3462	MBR3462	MBR3462
• Z-Trak Programmable Remote Control		MBR1020	MBR1020	MBR1020
• Picture-In-Picture		Y	Y	Y
• 181 Channel Tuning (STD/ HRC/ ICC Band Selected Automatically)		Y	Y	Y
• Automatic Channel Programming		Y	Y	Y
• Favorite Channel Add/Delete		Y	Y	Y
• Channel Labels (ABC, TNT, etc.) for Easy Channel Identification		Y	Y	Y
• Multiple Input Sources		Y	Y	Y
• Source Identification (VCR, Cable, etc.)		Y	Y	Y
• Antenna/Cable and Loop Out Jacks		Y	Y	Y
• Audio/Video (A/V) Jacks		Y	Y	Y
• Super-VHS A/V Input Jacks		Y	Y	Y
• Front Mounted A/V Jacks		Y	N	Y
• Surround Sound System		Premium	Standard	Dolby
• MTS Stereo with SEQ (Spatial Equalization)		Y	Y	Y
• Surround Sound Speaker Terminals		Y	Y	Y
• Variable Audio Output Jacks		Y	Y	Y
• Surround Sound Speakers		Optional	Optional	Optional
• Sleep Timer and On/Off Timer		Y	Y	Y
• Closed Caption and Text Modes		Y	Y	Y
• Parental Control		Y	Y	Y

STANDARD CONNECTIONS FOR YOUR TV

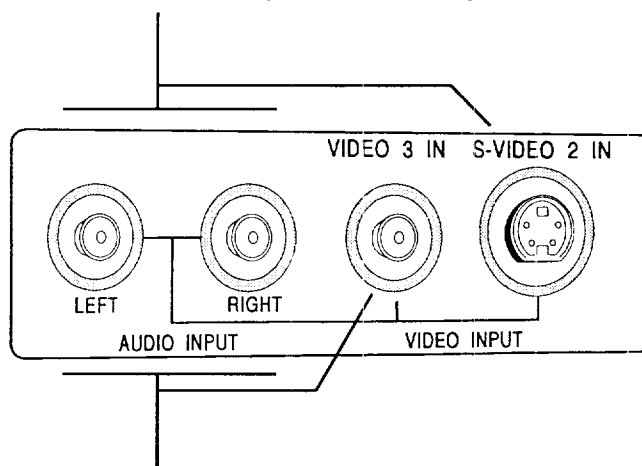
CONNECTION CENTER



TURN OFF POWER OR UNPLUG TV BEFORE MAKING ANY CONNECTION.

OTHER JACKS ON TV (Some Models)

S-VIDEO 2 IN
Jacks for audio and video input from a second Super-VHS VCR.

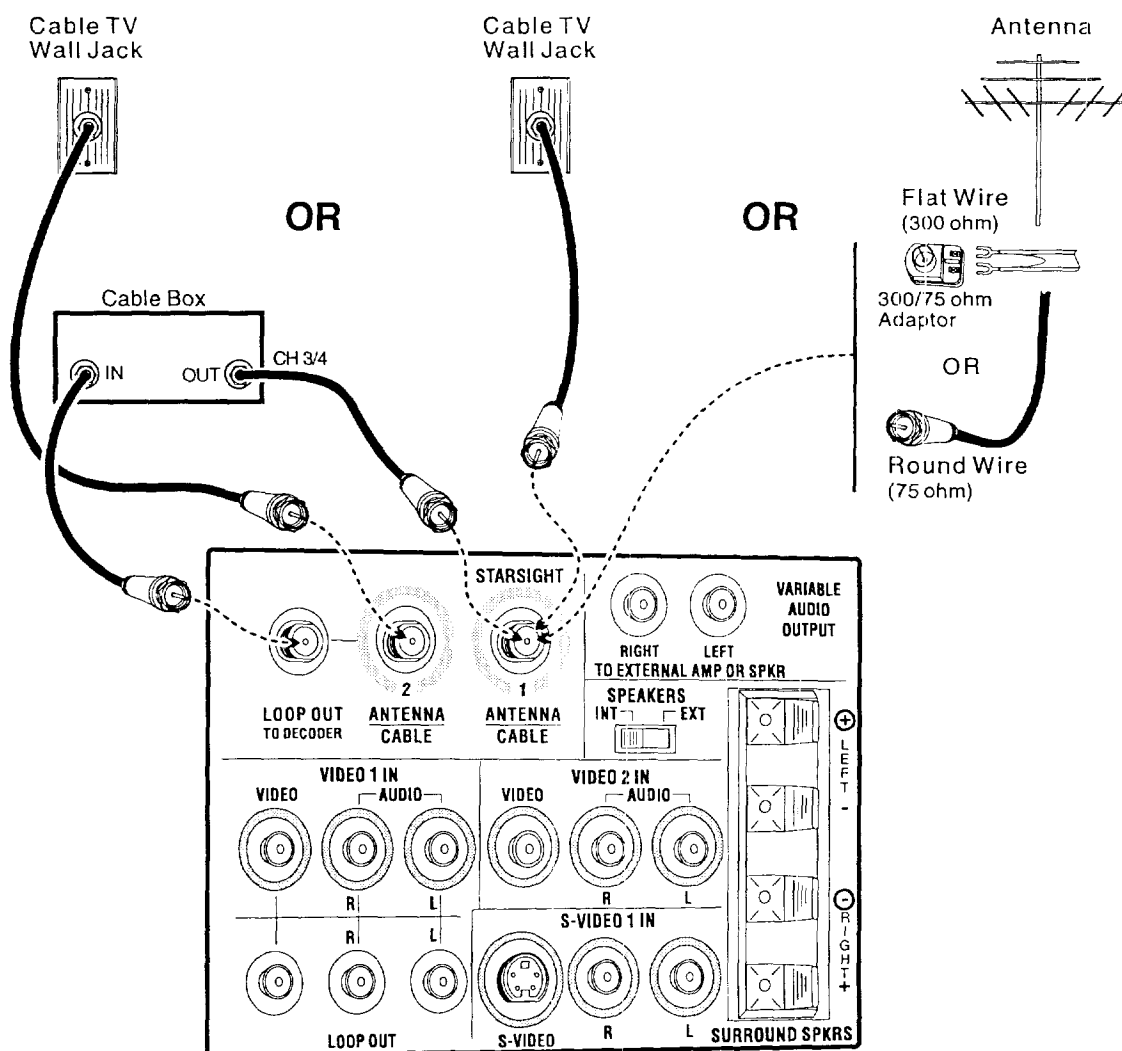


VIDEO 3 IN
Jacks for audio and video input from a third stereo VCR or other A/V component.

STANDARD CONNECTIONS FOR YOUR TV

BASIC CONNECTION TO TV WITHOUT VCR

If a VCR will not be connected to your TV, you have three basic connection options, as shown.



OPERATING YOUR TV

With Cable Box

- Select Ant/Cable 1 in **Source Menu**.
- Tune TV to cable box output channel (usually channel 3 or 4).
- Use cable box to select channels for viewing.

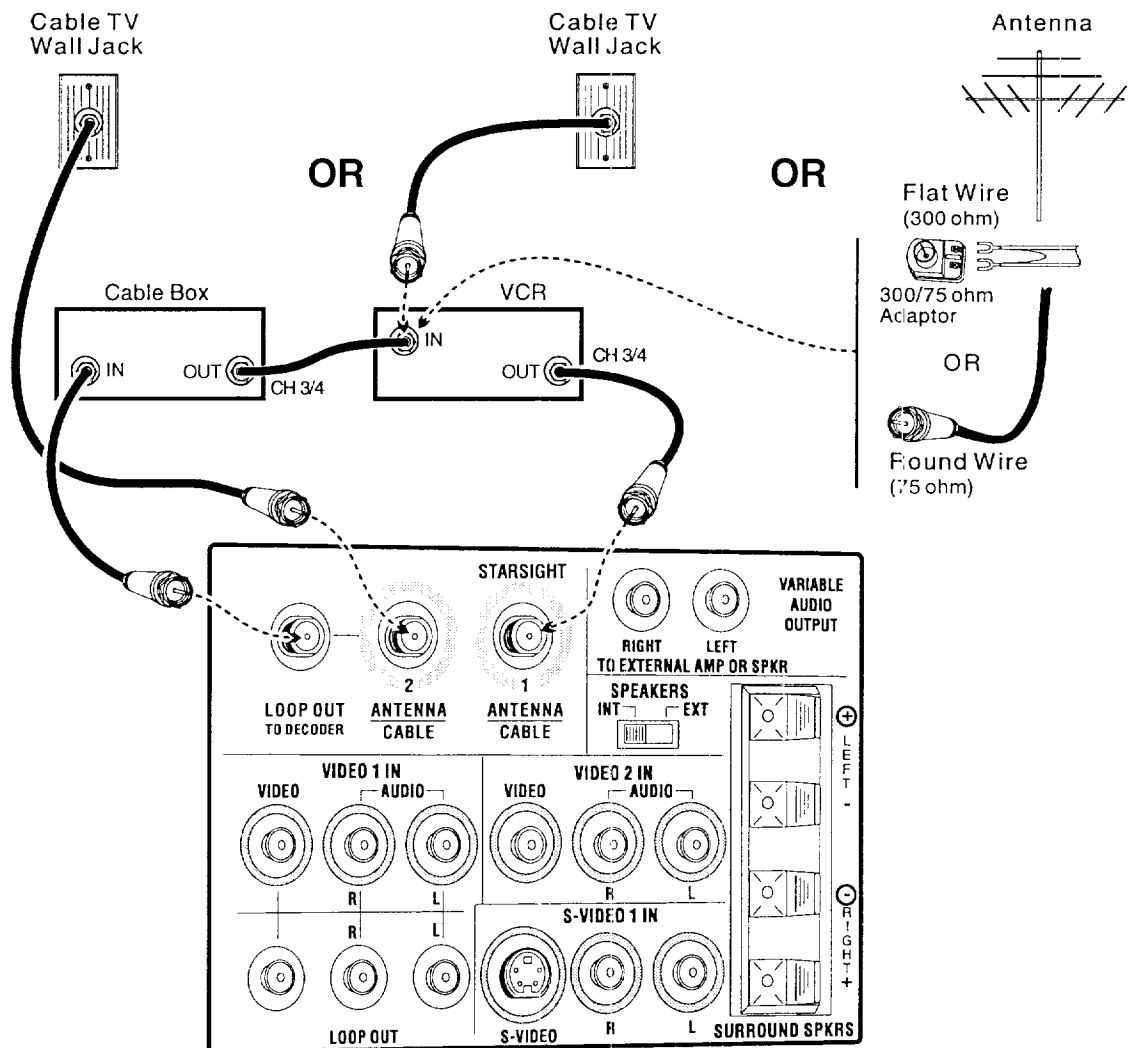
Without Cable Box

- Select Ant/Cable 1 in **Source Menu**.
- Use TV to select channels for viewing.

STANDARD CONNECTIONS FOR YOUR TV

BASIC CONNECTION TO TV WITH VCR

If you are connecting a VCR to your TV, you have three basic connection options, as shown.



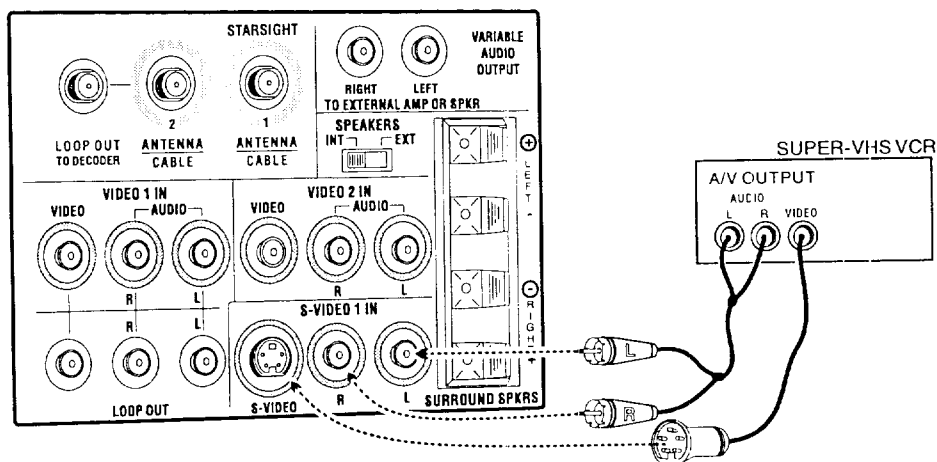
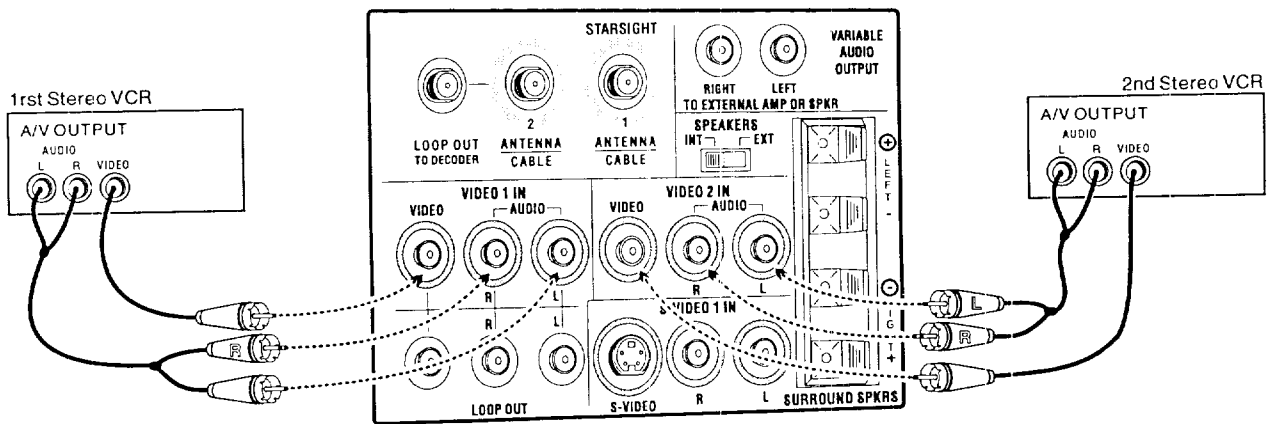
OPERATING YOUR TV		
VCR's TV/VCR* Switch Setting	With Cable Box	Without Cable Box
TV	<ul style="list-style-type: none"> Select Antenna/Cable 1 in Source Menu. Tune TV to cable box output channel (usually channel 3 or 4). Use the cable box to select channels for viewing. 	<ul style="list-style-type: none"> Select Antenna/Cable 1 in Source Menu. Use TV to select channels for viewing.
VCR	<ul style="list-style-type: none"> Select Antenna/Cable 1 in Source Menu. Tune VCR to cable box output channel (usually channel 3 or 4). Tune TV to VCR output channel (usually channel 3 or 4). Use the cable box to select channels for viewing. 	<ul style="list-style-type: none"> Select Antenna/Cable 1 in Source Menu. Tune TV to VCR output channel (usually channel 3 or 4). Use VCR to select channels for viewing.

* May be labeled TV/Video.

STANDARD CONNECTIONS FOR YOUR TV

VCR CONNECTIONS TO TV

If you have a stereo VCR, or other stereo audio/video component, you must make the connections shown below in order to hear stereo sound from the component.



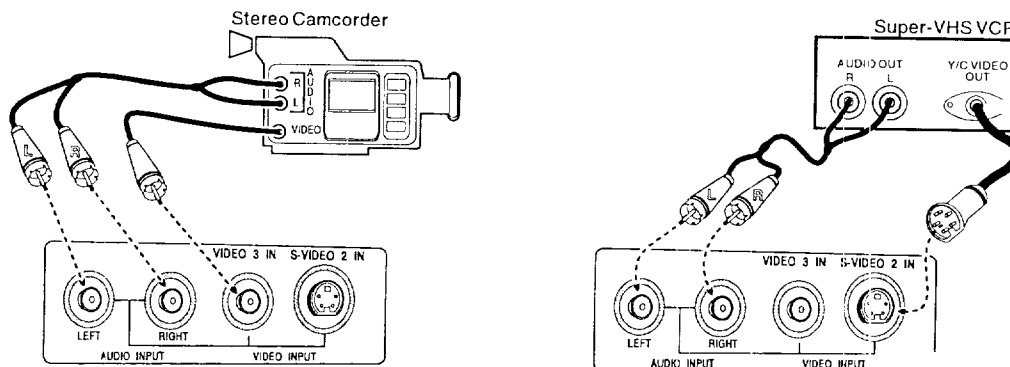
OPERATING YOUR TV USING A/V JACKS

- Select Video 1* from the **Source Menu**.
 - Use VCR (or other component) to select channels for viewing.
or,
 - Watch a tape playing in the VCR.
- * Select the Source in the **Source Menu** that corresponds to jacks to which the A/V component is connected.

STANDARD CONNECTIONS FOR YOUR TV

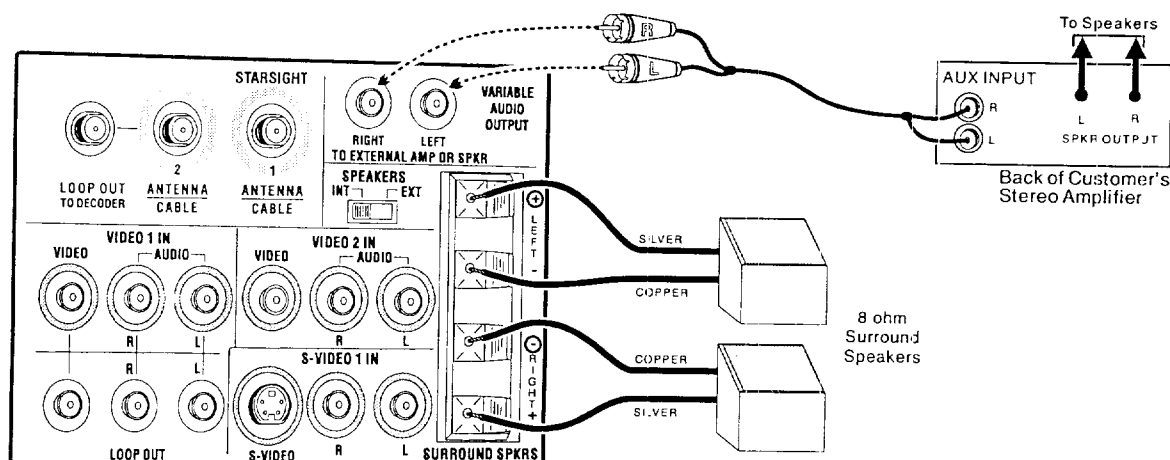
AUDIO/VIDEO (A/V) CONNECTIONS FOR OPTIONAL VIDEO EQUIPMENT

Connections to VIDEO 3 IN or S-VIDEO 2 IN jacks.
(Some TV models only.)



OPTIONAL AUDIO AMPLIFIER/SURROUND SOUND CONNECTIONS TO TV

If you wish to listen to the TV audio through an external amplifier or stereo system, or listen to surround sound audio, make the connections to the TV shown in the illustration below.



DIFFERENT WAYS TO LISTEN TO YOUR TV

TV Speakers On	TV Speakers Off	Surround Sound
<ul style="list-style-type: none"> SPEAKER EXT/INT switch in the INT (internal) position — TV speakers are ON. Sound is heard from both the TV's speakers and the external amplifier's speakers. Use TV's volume control to raise and lower the level of sound being heard from both sets of speakers. 	<ul style="list-style-type: none"> SPEAKER EXT/INT switch in the EXT (external) position — TV speakers are OFF. Sound is only heard from the speakers connected to the external amplifier. Use TV's volume control to raise and lower the level of sound being heard from the amplifier's speakers. 	<ul style="list-style-type: none"> Connect surround sound speakers as shown. The level of surround sound will vary, depending on the program being viewed. Note that not all programs have surround sound audio. The SURROUND SPKR terminals are always active. The SPEAKERS EXT/INT switch does not affect the operation of surround sound speakers.

TESTING STARSIGHT

Checking Your StarSight Setup

Now that you've subscribed, the final step is to test your equipment setup. Here's how:

1. Press ENTER/TUNE on your remote control when you see the "Congratulations!" message.

StarSight will now guide you through a series of on-screen displays. **Please follow the instructions carefully.** All you have to do is respond to the on-screen prompts. If you're using a VCR, you'll be prompted to insert a videotape that can be used for a 30-second recording test.

2. Find the Cable Box and VCR codes on your Subscription Checklist.

If you've listed more than one code for a given brand of Cable Box and VCR, don't worry: StarSight lets you test each code until the correct one has been found.

Be sure the Remote Emitters you placed previously are positioned according to the instructions in the preceding "Installing StarSight" section.

3. Next, you will receive program information automatically from PBS station. With StarSight subscription and equipment setup complete, you'll begin to receive StarSight program information whenever your TV is turned off or turned to your PBS station. Initially, it will take between 4 and 12 hours to collect program information, so we recommend that you simply wait overnight. While your TV is off, it will gather the information that it needs. Following this initial process, your system will automatically be updated with the latest program information any time your TV is turned off.

Your StarSight System is now all set up and ready to collect program information.

YOU SHOULD ALSO KNOW...

It is important that you:

- Always be sure your TV set is plugged in.
- Always leave your Cable Box ON, otherwise you risk losing your StarSight program information.
- Be sure you leave your VCR OFF when it's not being used. If you forget to turn off your VCR, a scheduled recording cannot occur.
- It will normally take from 3 to 5 seconds for Cable Box channels to change. This is the time it takes for the Remote Emitter's infrared signal to communicate with your Cable Box.

TESTING STARSIGHT

PBS Stations

City	Station	Channel	City	Station	Channel	City	Station	Channel
Alabama			Georgia			Louisiana		
Anniston	WCIQ	7	Albany	WABW	14	Alexandria	KLPA	25
Birmingham	WBIQ	10	Atlanta	WGTV	8	Baton Rouge	WLPB	27
Dothan	WGIQ	43	Augusta	WCES	20	El Dorado	KLTM	13
Decatur	WHIQ	25	Chatsworth	WCLP	18	Lafayette	KLPB	27
Huntsville	WHIQ	25	Columbus	WJSP	28	Lake Charles	KLTL	18
Mobile	WEIQ	42	Dawson	WACS	25	Monroe	KLTM	13
Montgomery	WAIQ	26	Macon	WDCO	15	New Orleans	WYES	12
			Savannah	WVAN	9	Shreveport	KLTS	24
			Waycross	WXGA	8			
Alaska			Hawaii			Maine		
Anchorage	KAKM	7	Honolulu	KHET	11	Bangor	WMEB	12
Fairbanks	KUAC	9	Waikiki	KMEB	10	Calais	WMED	13
Arizona			Idaho			Lewiston	WCBB	10
Phoenix	KAET	8	Boise	KAID	4	Presque Isle	WMEM	10
Tucson	KUAT	6	Idaho Falls	KISU	10			
California			Twin Falls	KITT	13			
Eureka	KEET	13	Illinois			Maryland		
Fresno	KVPT	18	Carbondale	WSIU	8	Annapolis	WMPT	22
Los Angeles	KCET	28	Champaign	WILL	12	Baltimore	WMPB	67
Monterey	KTEH	54	Chicago	WTTW	11	Frederick	WFPT	62
Sacramento	KVIE	6	Moline	WQPT	24	Hagerstown	WWPB	31
Salinas	KTEH	54	Peoria	WTVP	47	Oakland	WGPT	36
San Diego	KPBS	15	Quincy	WQEC	27	Salisbury	WCPB	28
Santa Barbara	KCET	28	Springfield	WILL	12			
San Francisco	KQED	9	Indiana			Massachusetts		
San Jose	KQED	9	Elkhart	WNIT	34	Boston	WGBH	2
Stockton	KVIE	6	Evansville	WNIN	9	Springfield	WGBY	57
Redding	KIXE	9	Fort Wayne	WFWA	39	Holyoke	WGBY	57
Visalia	KVPT	18	Lafayette	WFYI	20			
Colorado			Indianapolis	WNIT	34	Michigan		
Colorado Springs	KTSC	8	South Bend	WVUT	22	Alpena	WCML	6
Denver	KRMA	6	Iowa			Bad Axe	WUCX	35
Pueblo	KTSC	8	Ames	KDIN	11	Bay City	WUCM	19
Connecticut			Cedar Rapids	KIIN	12	Detroit	WTVS	56
Bridgeport	WEDW	49	Council Bluffs	KBIN	32	Flint	WFUM	28
Hartford	WEDH	24	Davenport	WQPT	24	Grand Rapids	WGVU	35
New Haven	WEDY	65		KQCT	36	Kalamazoo	WGVU	35
Norwich	WEDN	53	Des Moines	KDIN	11		WGVK	52
Delaware			Fort Dodge	KTIN	21	Lansing	WKAR	23
Seaford	WDPB	64	Iowa City	KIIN	12	Marquette	WNMU	13
Wilmington	WHYY	12	Mason City	KYIN	24	Mount Pleasant	WCMU	14
Dist. of Columbia			Red Oak	KHIN	36	Saginaw	WFUM	28
Washington, D.C.	WETA	26	Sioux City	KSIN	27	Traverse City	WCMW	21
Florida			Waterloo	KIIN	12	Minnesota		
Daytona Beach	WMFE	24		KRIN	32	Austin	KYIN	24
Ft. Lauderdale	WPBT	2	Kansas			Duluth	WDSE	8
Ft. Myers	WSFP	30	Hutchinson	KOOD	9	La Crescent	WHLA	31
Gainesville	WUFT	5	Lakin	KSWK	3	Mason City	KYIN	24
Jacksonville	WJCT	7	Topeka	KTWU	11	Minneapolis-		
Miami	WPBT	2	Kentucky			St. Paul	KTCI	17
Naples	WSFP	30	Bowling Green	WKYU	24	Superior	WDSE	8
Orlando	WMFE	24	Cape Girardeau	WSIU	8	Mississippi		
Panama City	WFSG	56	Lexington	WKLE	46	Biloxi	WMAH	19
Pensacola	WSRE	23	Louisville	WKPC	15	Bude	WMAU	17
Tampa	WEDU	3	Paducah	WSIU	8	Colun bus	WMAB	2
St. Petersburg	WEDU	3	Tri-Cities	WSBN	47	Guifport	WMAH	19
Tallahassee	WFSU	11				Greenville	WMAO	23
Thomasville	WFSU	11				Greenwood	WMAO	23
West Palm Beach	WXEL	42				Jackson	WMPN	29
						Meridian	WMAV	14
						Oxford	WMAV	18

(Continued on next page)

TESTING STARSIGHT

PBS Stations

City	Station	Channel	City	Station	Channel	City	Station	Channel
Missouri			Greenville	WUNK	25	Tennessee		
Hannibal	WQEC	27	Minot	KBME	3	Chattanooga	WTCI	45
Joplin	KOZJ	26		KSRE	6	Jackson	WLJT	11
Kansas City	KCPT	19	Williston	KWSE	4	Knoxville	WSJK	2
Springfield	KOZK	21	Ohio			Memphis	WKNO	10
St. Louis	KETC	9	Akron	WVIZ	25	Nashville	WDCN	8
Pittsburgh	KOZJ	26		WEAU	49	Texas		
Montana			Cleveland	WVIZ	25	Amarillo	KACV	2
Bozeman	KUSM	9	Cincinnati	WCET	48	Austin	KLRU	18
Butte	KUSM	9	Columbus	WOSU	34	Corpus Christi	KEDT	16
Nebraska			Dayton	WPTD	16	Dallas	KERA	13
Hastings	KUON	12	Lima	WGBU	57	El Paso	KCOS	13
	KHNE	29	Portsmouth	WPBO	42	Ft. Worth	KERA	13
Lincoln	KUON	12	Steubenville	WOUC	44	Harlingen	KLBH	60
Merriman	KRNE	12	Toledo	WGTE	30	Houston	KUHT	8
Norfolk	KXNE	19	Youngstown	WNEO	45	Lubbock	KTXT	5
North Platte	KPNE	9	Oklahoma			Odessa Midland	KOCV	36
Omaha	KPNE	26	Cheyenne	KWET	12	San Antonio	KLRN	9
Scottsbluff	KTNE	13	Eufaula	KOET	3	Temple	KNCT	46
Nevada			Oklahoma City	KETA	13	Waco	KNCT	46
Las Vegas	KLVX	10	Tulsa	KOED	11	Utah		
Reno	KNPB	5	Oregon			Salt Lake City	KUED	7
New Hampshire	WGBH	2	Bend	KOAB	3	Vermont		
New Hampshire			Eugene	KOAC	7	Burlington	WCVE	57
Durham	WENH	11		KEPB	28	Virginia		
	WNET	13	Klamath Falls	KFTS	22	Charlottesville	WHTJ	41
Keene	WEKW	52	Medford	KSYS	8	Harrisonburg	WVPT	51
Littleton	WLED	49	Portland	KOPB	10	Lynchburg	WBRA	15
New Jersey			Pennsylvania			Norfolk	WHRO	15
N. New Jersey	WNET	13	Altoona	WPSX	3	Norton	WSBN	47
S. New Jersey	WHYY	12	Erie	WQLN	54	Petersburg	WCVE	23
New Mexico			Harrisburg	WITF	33	Portsmouth	WHRO	15
Albuquerque	KNME	5	Johnstown	WPSX	3	Richmond	WCVE	23
Santa Fe	KNME	5	Lancaster	WITF	33	Roanoke	WBRA	15
New York			Philadelphia	WHYY	12	Washington		
Albany-			Pittsburgh	WQED	13	Seattle	KCTS	9
Schenectady	WMHT	17	Scranton	WVIA	44	Spokane	KSPS	7
Binghamton	WSKG	46	Wilkes-Barre	WVIA	44	Tacoma	KCTS	9
Buffalo	WNED	17	Rhode Island			Yakima	KYVE	47
New York	WNET	13	New Bedford	WSBE	36	West Virginia		
Norwood	WNPI	18	Providence	WSBE	36	Beckley	WSWP	9
Plattsburgh*	WCVE	57	South Carolina			Bluefield	WSWP	9
Rochester	WXXI	21	Allendale	WEBA	14	Charleston	WPBY	33
Super Station	WNET SS	13	Beaufort	WJWJ	16	Clarksburg	WNPB	24
Syracuse	WCNY	24	Charleston	WITV	7	Huntington	WPBY	33
Watertown	WNPE	16	Columbia	WRLK	35	Parkersburg	WOUB	20
North Carolina			Conway	WHMC	23	Weston	WNPB	24
Asheville	WUNF	33	Florence	WJPM	33	Wheeling	WOUC	44
Charlotte	WUNG	58	Greenville	WNTV	29	Wisconsin		
Columbia	WUND	2	Greenwood	WNEH	38	Appleton	WFNE	38
Greensboro	WUNL	26	Rock Hill	WNSC	30	Eau Claire	WHLA	31
Jacksonville	WUNM	19	Spartanburg	WRET	49	Green Bay	WFNE	38
Linville	WUNE	17	Sumter	WRJA	27	La Crosse	WHLA	31
Raleigh-Durham	WUNC	4	South Dakota			Madison	WHA	21
Roanoke Rapids	WUNP	36	Aberdeen	KDSD	16	Meromonic	WHWC	28
Wilmington	WUNJ	39	Brookings	KESD	8	Milwaukee	WMVS	10
North Dakota			Eagle Butte	KPSD	13	Park Falls	WLEF	36
Bismarck	KBME	14	Lowry	KQSD	11	Rhineland	WHRM	20
Drakinson	KDSE	9	Martin	KZSD	8	Wassau	WHRM	20
Ellendale	KJRE	19	Pierre	KTSD	10	Wyoming		
Fargo	KFME	13	Rapid City	KBHE	9	Cheyenne	KTNE	13
Grand Forks	KGFE	2	Vermillion	KUSD	2	Evansston	KUED	7

TESTING STARSIGHT

Cable Box Codes

Cable Box Brand	Code	Cable Box Brand	Code	Cable Box Brand	Code
Allegro	62	Northcoast	75	Standard Components	35
GE	67	NSC	35, 39, 68, 69, 70	Texscan	39, 56, 71
Gemini	05, 31, 38	Oak	11, 32, 42	Tocom	17, 18, 46
General Instrument	04, 05, 06, 07, 08, 09, 10, 18, 60	Panasonic	13, 20	Unika	48, 62
Hamlin	02, 45, 65, 66	Philips	47, 50, 52, 54, 55	Universa	58, 62
Jerrold	04, 07, 08, 09, 10, 18, 60	Pioneer	15, 43	Video Way	49
Kale Vision	35	Regency	29	Vid Tech	40
Macom	21	Samsung	35	Viewstar	54, 55, 72
Magnavox	34	Scientific Atlanta	16, 23, 36, 64	Zenith	01
		Signal	76	Zenith HT-2000	19
		Sprucer	13		

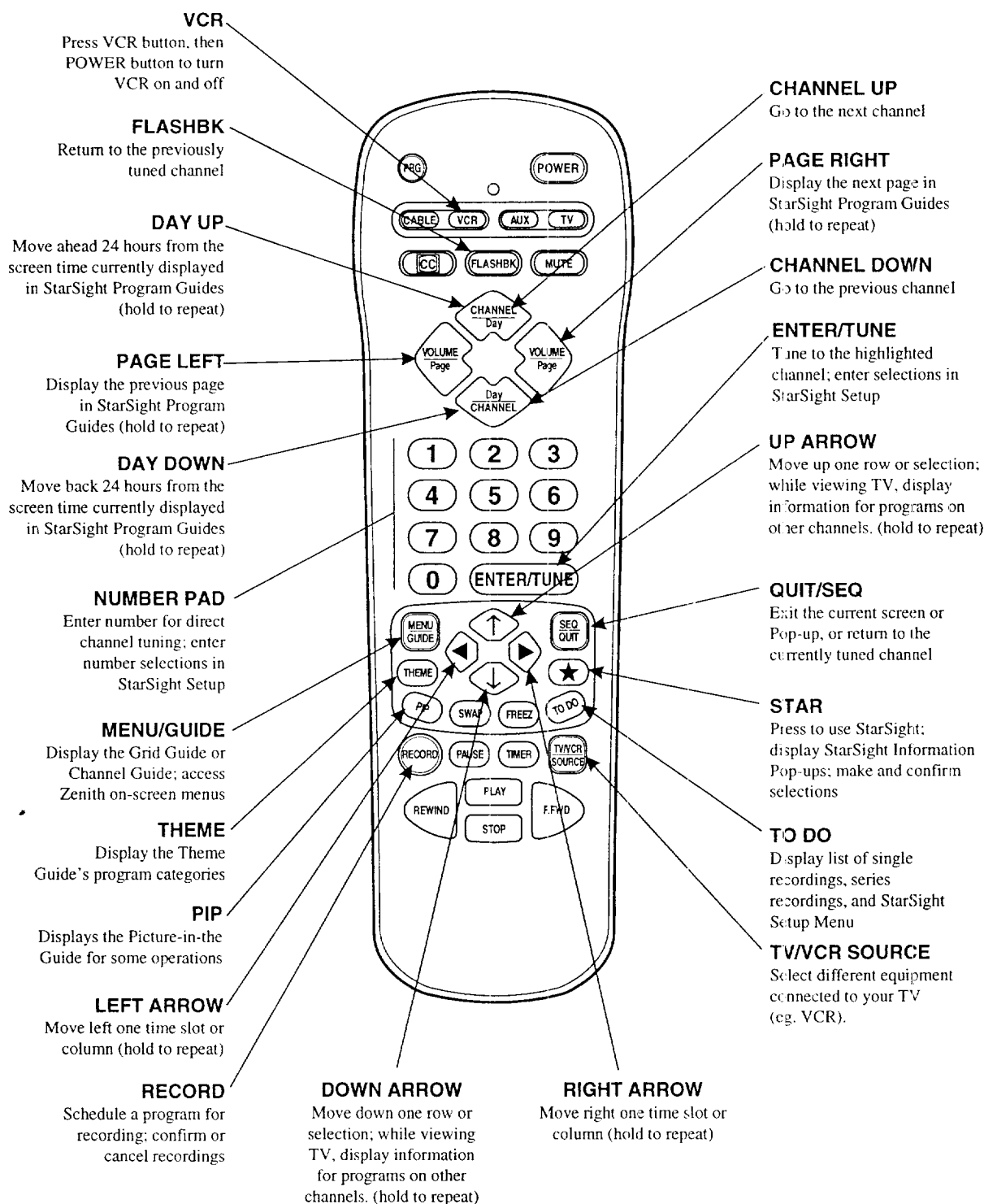
VCR Codes

VCR Brand	Code	VCR Brand	Code	VCR Brand	Code
Admiral	08, 61	Jerrold	18	Samsung	20
Adventura	31	JVC	02, 25, 58	Sansui	39
Aiwa	31	Kenwood	02	Sanyc	06, 12, 47
Akai	23, 38, 41	Logik	39	Scott	04, 05, 33, 43
Audio Dynamics	02, 18	LXI	09, 31	Sears	06, 09, 11, 12, 15
Bell & Howell	06, 47	Magnavox	07, 14, 31	Sharp	08, 61
Broksonic	21, 26, 50, 55	Marantz	07, 18	Shintom	39
Canon	14	Marta	09	Signature 2000	08, 14, 16, 31, 49
Citizen	09	Memorex	06, 12, 14, 31	Sony Vico8	17
Craig	12	Mitsubishi	04, 22	Sony VHS	32
Curtis Mathes	14, 59	Montgomery Ward	08, 14, 16, 31, 49	Sony	32, 37
Daewoo	46, 48, 54	Multi Tech	39	Sony Beta	37
Daytron	46	NEC	02, 18	Sylvania	07, 14, 27
DBX	02, 18	Orion	50	Symphonic	31
Emerson	03, 21, 23, 26, 33, 35, 43, 50	Panasonic	14, 51, 59	Tashiko	09
Fisher	11, 12, 13, 47	Pentax	15	Tatung	02
Funai	31	Philco	07, 14	Teac	02, 31
General Electric	14, 16, 20	Philips	07, 14, 27	Teknika	09, 34
Go Video	56, 62, 63	Pioneer	10, 15	Toshiba	05, 15
Goldstar	01, 09	Portland	46	Vector Research	04, 18
Hitachi	15, 57	Proscan	16, 60	Yamaha	02, 18
Instant Replay	14, 27	Quasar	14, 59	Zenith	00
JC Penney	14, 15, 18, 27	RCA	15, 16, 20, 27, 60	Zenith VHS	01, 24, 25
		Realistic	05, 08, 12, 14, 31	Zenith Beta	37

USING STARSIGHT WITH THE MBR3462 REMOTE

Basic Operation

This section of the guide discusses the use of StarSight with the Multi-Brand (MBR3462) Remote. The following illustration shows the MBR and its controls.



USING STARSIGHT WITH THE MBR3462 REMOTE

Finding out more about what you're watching: the STAR button

1. Press the STAR button. You'll see the program title and time remaining "pop up" for five seconds.

Scott and Molly
1 hour 52 minutes left

SHOW SHOWTIME CBL 37 9:00P

2. Press STAR again. The Pop-up changes to provide more detailed information. (It goes away in 30 seconds.) Or...

SEQ

Scott and Molly
1 hour 52 minutes left

A middle-aged couple discovers new sides to their relationship over a long, holiday weekend.

>>Todd Blake, Kim Jones.

*** (1988, PG-13) Movies: Comedy.
Adult Situations,
Adult Language.

SHOW SHOWTIME CBL 37 8:08P

3. Press STAR again. The Pop-up disappears.

YOU SHOULD ALSO KNOW...

- If at any time you find you cannot activate the StarSight functions, just press the STAR button.

USING STARSIGHT WITH THE MBR3462 REMOTE

What's on when you change channels: Grazing

1. Press CHANNEL/Day Up or Down to change channels. The Pop-up for the new program automatically displays and then disappears in five seconds.

Scott and Molly
1 hour 52 minutes left

SHOW SHOWTIME CBL 37 9:00P

2. Press STAR while the Pop-up is displayed to get even more information on the program.

SEQ

Scott and Molly
1 hour 52 minutes left

A middle-aged couple discovers new sides to their relationship over a long, holiday weekend.

>>Todd Blake, Kim Jones.

*** (1988, PG-13) Movies: Comedy. Adult Situations, Adult Language.

SHOW SHOWTIME CBL 37 8:08P

3. Press STAR again. The Pop-up disappears.

YOU SHOULD ALSO KNOW...

- If you press STAR twice and then change channels, you will get full program descriptions while you are channel surfing. (Does not apply to Cable Box Setups.).

USING STARSIGHT WITH THE MBR3462 REMOTE

What's on without changing channels: Browsing

STEREO

1. Press ↑ or ↓ to see what's on other channels. Notice that you will continue to see your presently tuned program, but will get a Pop-up for a program on a different channel.

Primenews
50 minutes left

SHOW SHOWTIME CBL 37 8:08P

2. Press ↑ or ↓ as many times as you'd like to see Pop-ups for different programs.

BROWSING

Scott and Molly
1 hour 52 minutes left

SHOW SHOWTIME CBL 37 8:08P

3. Press (INFO) while the Pop-up is displayed to get even more information on the program.

BRO Scott and Molly
1 hour 52 minutes left

Scott and Molly
FRI 8:00P 2 hours

4. Press (INFO) again. The Pop-up disappears.

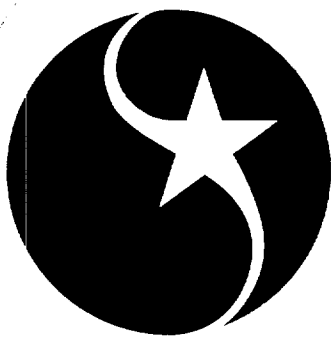
A middle-aged couple discovers new sides to their relationship over a long, holiday weekend. Todd Blake, Kim Jones.

*** (1988, PG-13) Movies: Comedy. Adult Situations, Adult Language.

SHOW SHOWTIME CBL 37 8:08P

YOU SHOULD ALSO KNOW...

- Press ENTER/TUNE to go directly to the program for which you see a Pop-up.



STAR
S I G H T[®]

Installing StarSight[®]

Testing StarSight

Using Universal Remote

Using Z-Trak Remote



STAR
S I G H T[®]

StarSight Telecast, Inc.
39650 Liberty Street
Fremont, CA 94538

Part No. 206-2918-01
Printed in U.S.A.
EP-EDCBA

ZENITH
WATCH US.



TO BE LICENSED TO USE THE STARSIGHT[®] SYSTEM AND STARSIGHT FEATURES OF THIS EQUIPMENT, YOU MUST BE REGISTERED WITH STARSIGHT OR AN AUTHORIZED REPRESENTATIVE. LICENSED UNDER U.S. PATENT NUMBERS 4,706,121 AND 5,151,789. USE RIGHTS RESERVED.

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Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Trademark Statement

StarSight is a trademark of StarSight Telecast Inc.

**To Activate StarSight
Call (800) 643-STAR**

**For the
StarSight Help
Desk, Call
(800) 628-STAR**


**For Zenith
Customer
Support, Call
(312) 745-5152**

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How to use this operating guide

StarSight installation and operation is given in this portion of the operating guide. Follow the procedures given if you are going to use StarSight.

 Refer to the TV portion of this operating guide for TV installation and operation without StarSight.

INTRODUCTION

Welcome

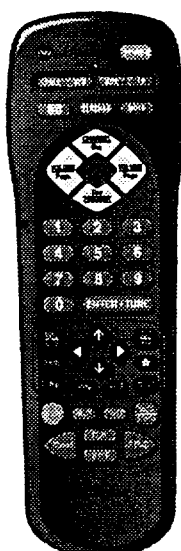
Welcome to StarSight, an innovative way to locate programs and manage the many channels that you receive. With StarSight, you can:

- See an instant description of what's on any channel.
- Select a program from a list that displays your favorite types of shows by theme (movies, sports, comedies, etc.).
- Get information about plots, casts, content ratings, and running times.
- Tune from an on-screen guide right to the program you selected.
- Program your VCR with the touch of one button.
- Re-arrange the order of your channels to put your favorites first.

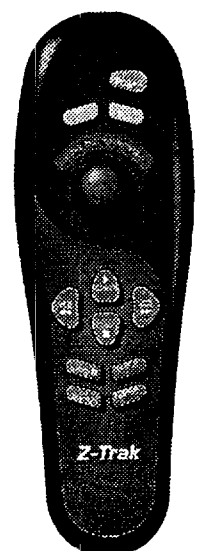
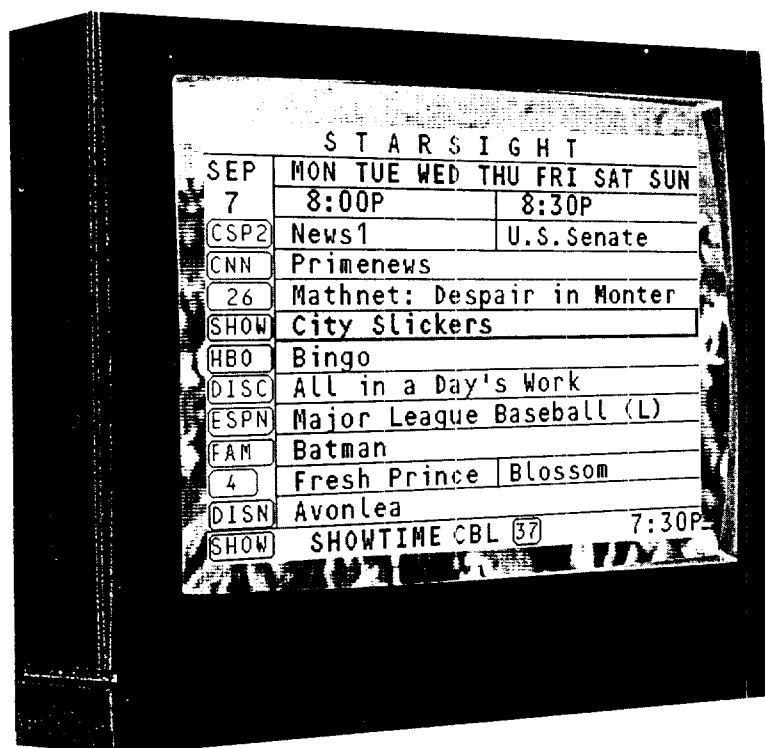
Cable Box and VCR Requirements.

Be sure to read these requirements carefully. They contain important information you need to ensure that StarSight performs properly.

- A VCR is required for recording capability. To take full advantage of StarSight, your VCR must be controllable by a wireless infrared remote control. Otherwise, StarSight can still provide program information, but will not be able to automatically tune to or record a specific program on your VCR.
- If your VCR remote control does not have a number pad with at least 10 digits, StarSight will be unable to tune the VCR.
- If you have a Cable Box, it must be controllable by a wireless infrared remote control.
- Your Cable company should be able to provide a remote-controlled Cable Box, if you do not already have one.
- Your StarSight-equipped television is not designed to operate with, or control, a satellite dish. For information on StarSight products specifically designed for satellite systems, see your local satellite dealer.



Universal
Remote



Z-Trak
Remote

INSTALLING STARSIGHT

StarSight must be installed properly for you to enjoy all of its benefits. To ensure proper installation, follow the procedure in this section in the order they are presented.

STEP 1. Fill out the StarSight Checklist.

STARSIGHT CHECKLIST

Complete sections A and B, and keep this checklist close at hand during subscription.

A PBS Station: Consult the table of PBS Stations, located at the end of this section.

Find the PBS station that is closest to your city. (If you receive two or more stations, select the one with the clearest picture.) Write the PBS Station letters and channel number below.

PBS Station Letters: _____

PBS Station Channel Number: _____

For Cable Users Only: Check your Cable company's channel line-up or your local newspaper's TV listings to see if the PBS station in your area has a different channel number from the one you wrote down above.

If so, write your PBS station's Cable channel number here: _____

(You will use this channel number during the Setup process.)

B Code Numbers: Consult the table of Cable Box Codes and VCR Codes, located at the end of this section.

Find the code numbers that apply to your brands of Cable Box and VCR and write them below.

CABLE BOX

Code 1: _____ Code 2: _____ Code 3: _____

Code 4: _____ Code 5: _____ Code 6: _____

VCR

Code 1: _____ Code 2: _____ Code 3: _____ Code 4: _____

Code 5: _____ Code 6: _____ Code 7: _____ Code 8: _____

Now proceed to "Step 2. Hook-Up Equipment."

C During Subscription... StarSight will display on-screen your personal STAR number and I.D. number. When these numbers appear on your TV screen, write them here.

Star # _____

I.D. # _____

INSTALLING STARSIGHT

STEP 2. Hook-Up Equipment.

There are four possible choices for hooking up your equipment. Only one of these choices will apply to your particular equipment setup.

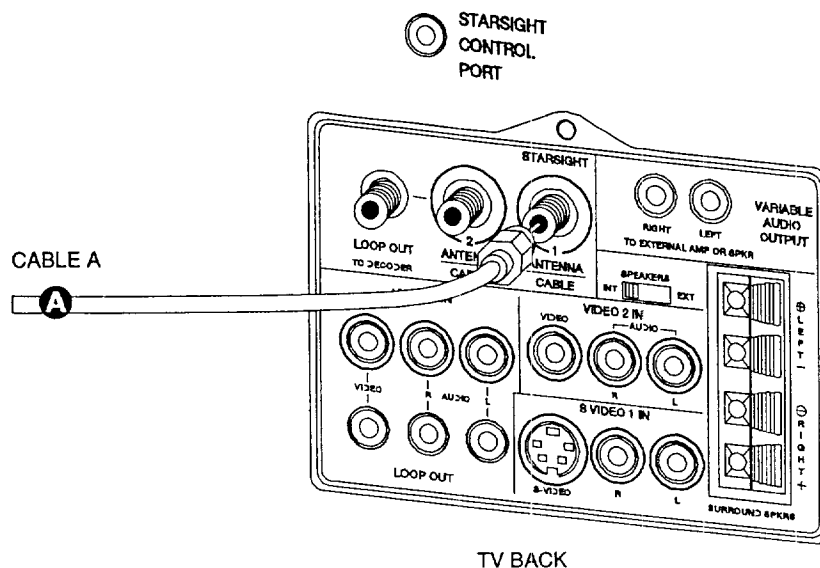
Turn to the appropriate Setup and follow the instructions, then proceed to "STEP 3. Activate StarSight."

If you have...	Turn to
TV Only	Setup 1
TV and Cable Box	Setup 2
TV and VCR	Setup 3
TV, VCR and Cable Box	Setup 4

Setup 1: TV Only

If you receive your television signal by antenna or basic Cable TV (no Cable Box):

1. Attach the cable coming out of the wall **A** to the "ANT/CABLE 1" jack on the back of your TV.
2. Plug your TV into a power outlet not controlled by a light switch and turn your TV on.
3. Proceed to "Step 3. Activate StarSight."



INSTALLING STARSIGHT

Setup 2: TV and Cable Box

NOTE: DO NOT UNPLUG YOUR CABLE BOX AT ANY TIME.

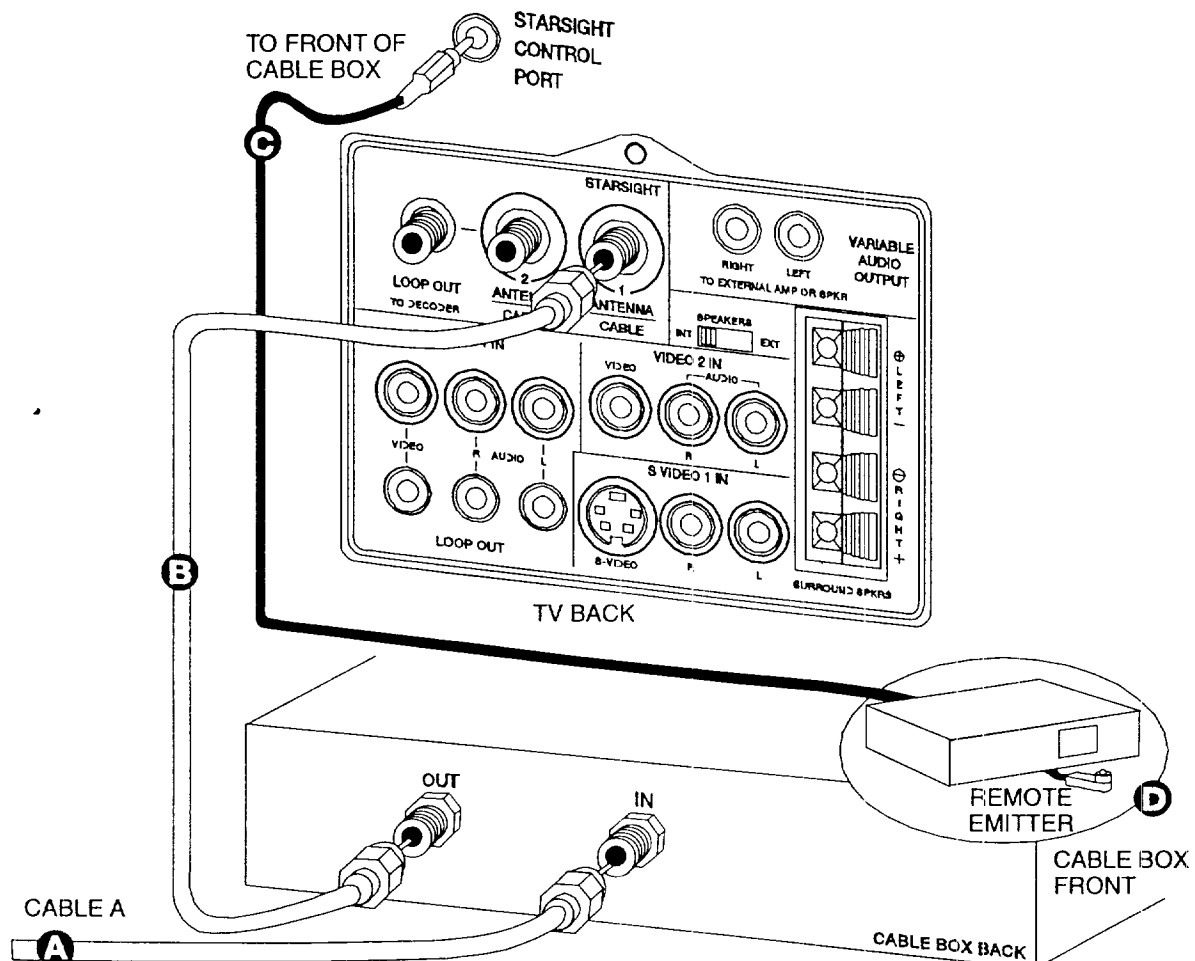
1. Turn off, but do not unplug, your Cable Box.
2. Attach the cable coming out of the wall **A** to your Cable Box's "Input" or "Cable In" jack.
3. Attach an RF cable **B** to your Cable Box's "Output" or "TV Set" jack, and the other end of this cable to the "ANT/CABLE 1" jack on the back of your TV.
4. Take the Remote Emitter — it's a wire with a plug at one end and two plastic bulbs at the other ends — and push the plug of the Remote Emitter wire into the "StarSight Control Port" on the back of the TV. Run the Remote Emitter wire **C** under the Cable Box and place either one of the plastic bulbs about two inches in front of the front panel of the Cable Box **D**. Make sure that the plastic bulb is facing the front panel of the Cable Box (see diagram below). Do not adhere the Remote Emitter at this time. After you have completed subscribing to StarSight, and you have confirmed the correct code that operates your Cable Box, you can peel off the backing of the sticker on the Remote Emitter and adhere it permanently.

5. Turn on your Cable Box.

6. Plug your TV into a power outlet not controlled by a light switch.

NOTE: DO NOT PLUG YOUR TV INTO THE BACK OF YOUR CABLE BOX.

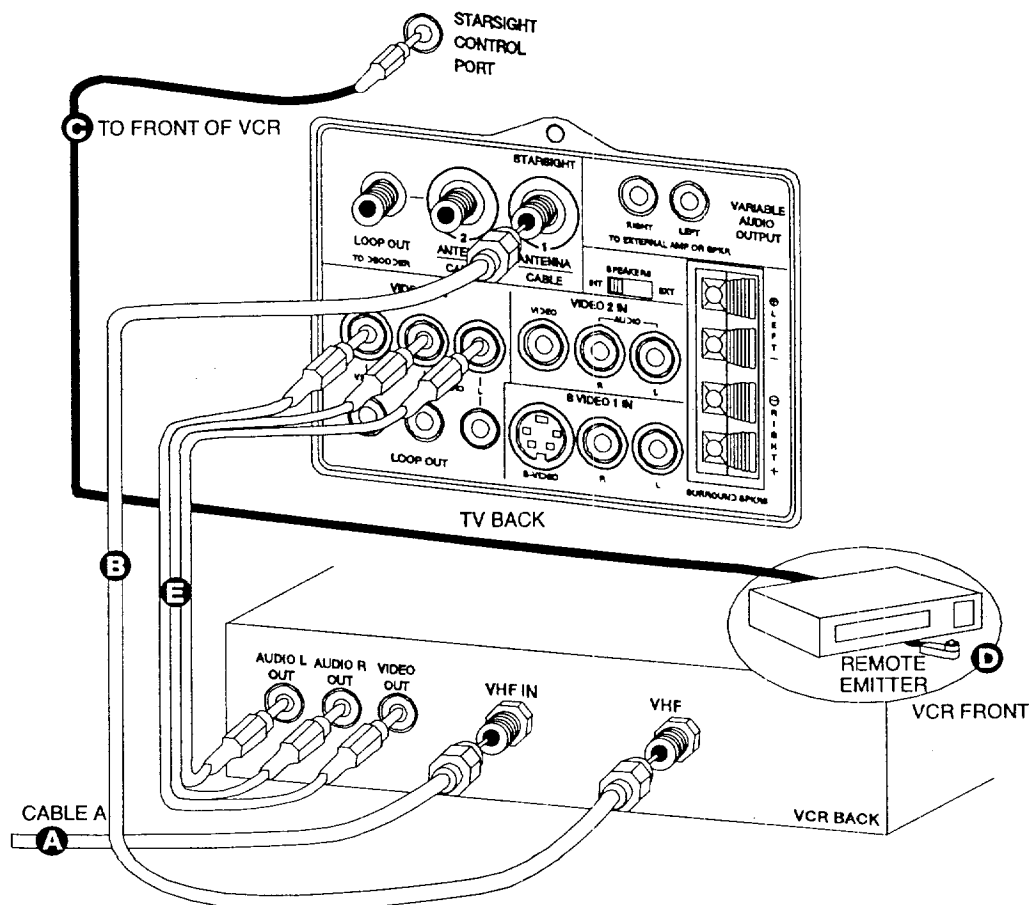
7. Tune your Cable Box to the PBS channel listed on your StarSight Checklist.
8. Turn on your TV. Using the number pad on your Universal TV remote control, tune your TV to the channel that allows you to watch Cable TV, usually channel 3 or 4. If these channels don't show your Cable TV service, then try putting your TV on channel 2, 5, or 6.
9. Proceed to "Step 3. Activate StarSight."



INSTALLING STARSIGHT

Setup 3: TV and VCR

1. Attach the cable coming out of the wall **A** to the "VHF In" (FROM ANTENNA) jack of your VCR.
2. Attach an RF cable **B** to your VCR's "VHF Out" (TO TV) jack, and the other end of this cable to the "ANT/CABLE 1" jack on the back of your TV.
3. Take the Remote Emitter — it's a wire with a plug at one end and two plastic bulbs at the other ends — and push the plug of the Remote Emitter wire **C** into the "StarSight Control Port" on the back of the TV. Run the Remote Emitter wire under the VCR and place either one of the plastic bulbs about two inches in front of the front panel of the VCR. Make sure that the plastic bulb is facing the front panel of the VCR **D**. Do not adhere the Remote Emitter at this time. After you have completed activating StarSight, and you have confirmed the correct code that operates your VCR you can peel off the backing of the sticker on the Remote Emitter and adhere it permanently.
4. Locate the section on the back of your TV labeled "Video 1 In." Attach the three Audio/Video cables to the "Video," "Audio R" and "Audio L" jacks and attach the other ends of the cables to the corresponding "Video Out," "Audio R Out" and "Audio L Out" jacks on the back of your VCR. This is necessary if...
 - You have a VCR without a front panel channel indicator that uses an on-screen display.
 - You have a stereo VCR and would like to take advantage of the stereo feature.
 - You would like to take advantage of PIP.
5. Plug your VCR into a power outlet and leave it off.
6. Plug your TV into a power outlet not controlled by a light switch and turn your TV on.
7. Proceed to "Step 3. Activate StarSight."



INSTALLING STARSIGHT

Setup 4: TV and VCR and Cable Box

NOTE: DO NOT UNPLUG YOUR CABLE BOX AT ANY TIME.

1. Turn off your Cable Box.
2. Attach the cable coming out of the wall **A** to the "ANT/CABLE 2" jack on the back of your TV.
3. Attach an RF cable **B** to your TV's "LOOP OUT TO DECODER" jack, and the other end of this cable to your Cable Box's "Input" or "Cable In" jack.
4. Attach an RF cable **C** to your Cable Box's "Output" or "TV Set" jack, and the other end of this cable to the "VHF In" (FROM ANTENNA) jack of your VCR.
5. Attach an RF cable **D** to your VCR's "VHF Out" (TO TV) jack, and the other end of this Cable to the "ANT/CABLE 1" jack on the back of your TV.
6. Take the Remote Emitter — it's a wire with a plug at one end and two plastic bulbs at the other ends — and push the plug of the Remote Emitter **E** wire into the "StarSight Control Port" on the back of the TV. Run one Remote Emitter wire under the VCR and place one of the plastic bulbs about two inches in front of the front panel of the VCR **F**. Make sure that the plastic bulb is facing the front panel of the VCR. Do the same for the Cable Box. Do not adhere the Remote Emitters at this time. After you have completed activating StarSight, and you have confirmed the correct codes that operate your VCR and Cable Box, you can peel off the backing of the stickers on the Remote Emitters and adhere them permanently.
7. Locate the section on the back of your TV labeled "Video 1 In." Attach the three Audio/Video cables to the "Video," "Audio R" and "Audio L" jacks and attach the other ends of the cables to the corresponding "Video Out," "Audio R Out" and "Audio L Out" jacks on the back of your VCR. This is necessary if...
 - You have a VCR without a front panel channel indicator that uses an on-screen display.
 - You have a stereo VCR and would like to take advantage of the stereo feature,
 - You would like to take advantage of PIP.

8. Plug your VCR into a power outlet and leave it off.

9. Turn on your Cable Box.

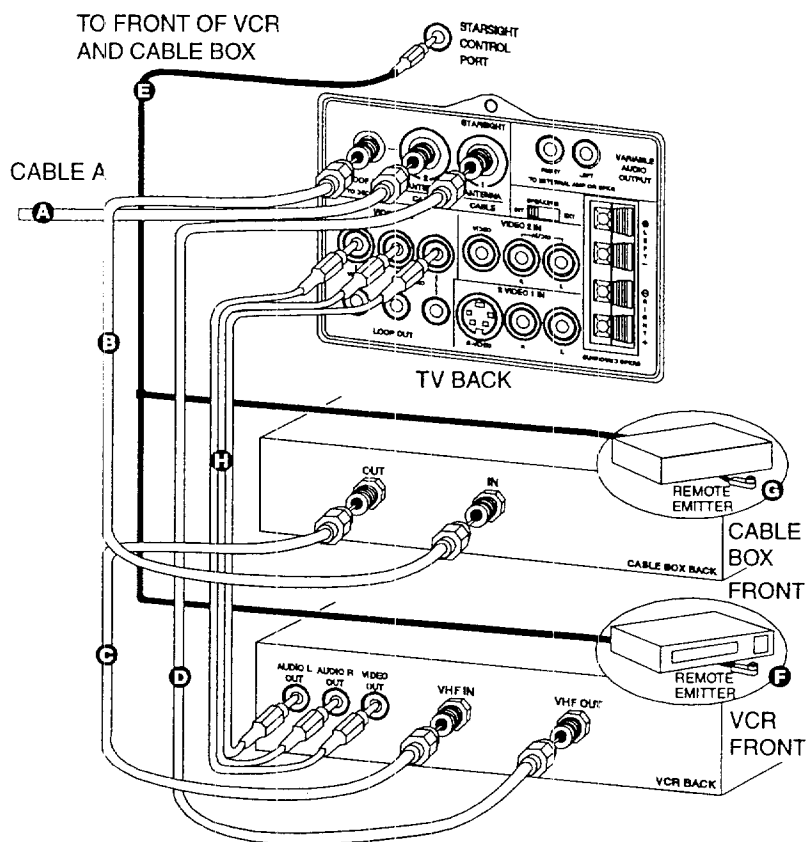
10. Plug your TV into a power outlet not controlled by a light switch.

NOTE: DO NOT PLUG YOUR TV INTO THE BACK OF YOUR CABLE BOX.

11. Tune your Cable Box to the PBS channel listed on your StarSight Checklist.

12. Turn on your TV. Using the number pad on your Universal TV remote control, tune your TV to the channel that allows you to watch Cable TV, usually channel 3 or 4. If these channels don't show your Cable TV service, then try putting your TV on channel 2, 5, or 6.

13. Proceed to Installation "Step 3. Activate StarSight."



INSTALLING STARSIGHT

STEP 3. Activate StarSight

To bring StarSight information into your home, you must activate StarSight. You start the process directly through your TV, in a series of easy steps that take only minutes.

First, you must be sure that you:

- have completed the StarSight Checklist.
- have followed the step-by-step installation instructions on the preceding pages that apply to your video equipment.
- have your Universal remote control handy.
- have a videotape ready that you can use for a 30-second recording test (if you have a VCR).
- have a telephone nearby to call StarSight's toll-free activation number: 1-800-643-STAR.

How to Activate StarSight:

1. If you have a Cable Box, make sure that it is tuned to the PBS channel listed on the StarSight Checklist.
If you do not have a Cable Box, be sure that your TV is tuned to the correct PBS channel. StarSight will search for schedule information on this channel.
2. Press STAR on your remote control to get into StarSight mode.
The StarSight Menu will be displayed with "Activate StarSight" highlighted.
3. Press ENTER/TUNE to begin activation. Then follow the on-screen instructions.
4. StarSight will ask you about your equipment, search for schedule information on your PBS station and display your STAR # and ID #. (Enter these numbers in paragraph "C" of your StarSight Checklist.) You will also be asked to call StarSight.
5. The StarSight representative will ask you for some subscriber information, and will activate StarSight.
6. When you have been authorized, you'll see a screen that says: Congratulations!
7. Proceed to "Step 4. Checking Your StarSight Setup."

YOU SHOULD ALSO KNOW...

- If no schedule data is found, you may be tuned to the wrong PBS station. Check the PBS station written on your StarSight Checklist and try again. Or, try tuning to a different PBS station that is listed for your area at the end of this section. (If no station is listed for your area, call 1-800-628-STAR for further information.)

INSTALLING STARSIGHT

Step 4. Checking Your StarSight Setup

If you do not have a VCR or Cable Box, proceed to number 4.

Now that you've activated StarSight, the final step is to test your equipment setup. Here's how:

1. Press ENTER/TUNE on your remote control when you see the "Congratulations!" message.
StarSight will now guide you through a series of on-screen displays. **Please follow the instructions carefully.** All you have to do is respond to the on-screen prompts. If you're using a VCR, you'll be prompted to insert a videotape that can be used for a 30-second recording test.

2. Find the Cable Box and VCR codes on your StarSight Checklist.

If you've listed more than one code for a given brand of Cable Box and VCR, don't worry: StarSight lets you test each code until the correct one has been found.

Be sure the Remote Emitters you placed previously are positioned according to the instructions earlier in this section.

3. Follow the on-screen instructions until you see a screen that says: Congratulations!

If you have any difficulty finding the correct code or getting your VCR or Cable Box to respond, call the StarSight Help Desk at (800) 628-STAR.

4. Your StarSight System is now all set up and ready to collect program information. You'll begin to receive StarSight program information whenever your TV is turned off or turned to your PBS station. Initially, it will take between 4 and 12 hours to collect program information, so we recommend that you simply wait overnight. While your TV is off, it will gather the information that it needs. Following this initial process, your system will automatically be updated with the latest program information any time your TV is turned off.

YOU SHOULD ALSO KNOW...

It is important that you:

- Always be sure your TV set is plugged in.
- Always leave your Cable Box ON, otherwise you risk losing your StarSight program information.
- Be sure you leave your VCR OFF when it's not being used. If you forget to turn off your VCR, a scheduled recording cannot occur.
- It will normally take from 3 to 5 seconds for Cable Box channels to change. This is the time it takes for the Remote Emitter's infrared signal to communicate with your Cable Box.

INSTALLING STARSIGHT

PBS Stations

City	Station	Channel	City	Station	Channel	City	Station	Channel
Alabama			Georgia			Louisiana		
Anniston	WCIQ	7	Albany	WABW	14	Alexandria	KLPA	25
Birmingham	WBIQ	10	Atlanta	WGTV	8	Baton Rouge	WLPB	27
Dothan	WGIQ	43	Augusta	WCES	20	El Dorado	KLTM	13
Decatur	WHIQ	25	Chatsworth	WCLP	18	Lafayette	KLBP	27
Huntsville	WHIQ	25	Columbus	WJSP	28	Lake Charles	KLTL	18
Mobile	WEIQ	42	Dawson	WACS	25	Monroe	KLTM	13
Montgomery	WAIQ	26	Macon	WDCO	15	New Orleans	WYES	12
Alaska			Savannah	WVAN	9	Shreveport	KLTS	24
Anchorage	KAKM	7	Waycross	WXGA	8	Maine		
Fairbanks	KUAC	9	Hawaii			Bangor	WMEB	12
Arizona			Honolulu	KHET	11	Calais	WMED	13
Phoenix	KAET	8	Waikiki	KMEB	10	Lewiston	WCBB	10
Tucson	KUAT	6	Idaho			Presque Isle	WMEM	10
California .			Boise	KAID	4	Maryland		
Eureka	KEET	13	Idaho Falls	KISU	10	Annapolis	WMPT	22
Fresno	KVPT	18	Twin Falls	KITT	13	Baltimore	WMPB	67
Los Angeles	KCET	28	Illinois			Frederick	WFPT	62
Monterey	KTEH	54	Carbondale	WSIU	8	Hagerstown	WWPB	31
Sacramento	KVIE	6	Champaign	WILL	12	Oakland	WGPT	36
Salinas	KTEH	54	Chicago	WTTW	11	Salisbury	WCPB	28
San Diego	KPBS	15	Moline	WQPT	24	Massachusetts		
Santa Barbara	KCET	28	Peoria	WTVP	47	Boston	WGBH	2
San Francisco	KQED	9	Quincy	WQEC	27	Springfield	WGBY	57
San Jose	KQED	9	Rock Island	WQPT	24	Holyoke	WGBY	57
Stockton	KVIE	6	Springfield	WILL	12	Michigan		
Redding	KIXE	9	Indiana			Alpena	WCML	6
Visalia	KVPT	18	Elkhart	WNIT	34	Bad Axe	WUCX	35
Colorado			Evansville	WNIN	9	Bay City	WUCM	19
Colorado Springs	KTSC	8	Fort Wayne	WFWA	39	Detroit	WTVS	56
Denver	KRMA	6	Lafayette	WFYI	20	Flint	WFUM	28
Pueblo	KTSC	8	Indianapolis	WFYI	20	Grand Rapids	WGVU	35
Connecticut			South Bend	WNIT	34	Kalamazoo	WGVU	35
Bridgeport	WEDW	49	Vincennes	WVUT	22		WGVK	52
Hartford	WEDH	24	Iowa			Lansing	WKAR	23
New Haven	WEDY	65	Ames	KDIN	11	Marquette	WNMU	13
Norwich	WEDN	53	Cedar Rapids	KIIN	12	Mount Pleasant	WCMU	14
Delaware			Council Bluffs	KBIN	32	Saginaw	WFUM	28
Seaford	WDPB	64	Davenport	KQCT	36	Traverse City	WCMW	21
Wilmington	WHYY	12	Des Moines	KDIN	11	Minnesota		
Dist. of Columbia			Fort Dodge	KTIN	21	Austin	KYIN	24
Washington, D.C.	WETA	26	Iowa City	KIIN	12	Duluth	WDSE	8
Florida			Mason City	KYIN	24	La Crescent	WHLA	31
Daytona Beach	WMFE	24	Red Oak	KHIN	36	Mason City	KYIN	24
Ft. Lauderdale	WPBT	2	Sioux City	KSIN	27	Minneapolis-		
Ft. Myers	WSFP	30	Waterloo	KRIN	32	St. Paul	KTCI	17
Gainesville	WUFT	5	Kansas			Superior	WDSE	8
Jacksonville	WJCT	7	Hutchinson	KOOD	9	Mississippi		
Miami	WPBT	2	Lakin	KSWK	3	Biloxi	WMAH	19
Naples	WSFP	30	Topeka	KTWU	11	Bude	WMAU	17
Orlando	WMFE	24	Kentucky			Columbus	WMAB	2
Panama City	WFSG	56	Bowling Green	WKYU	24	Gulfport	WMAH	19
Pensacola	WSRE	23	Cape Girardeau	WSIU	8	Greenville	WMAO	23
Tampa	WEDU	3	Lexington	WKLE	46	Greenwood	WMAO	23
St. Petersburg	WEDU	3	Louisville	WKPC	15	Jackson	WMPN	29
Tallahassee	WFSU	11	Paducah	WSIU	8	Meridian	WMAW	14
Thomasville	WFSU	11	Tri-Cities	WSBN	47	Oxford	WMAV	18
West Palm Beach	WXEL	42						

(Continued on next page)

INSTALLING STARSIGHT

PBS Stations

City	Station	Channel	City	Station	Channel	City	Station	Channel
Missouri			Minot	KBME	3	Jackson	WLJT	11
Hannibal	WQEC	27		KSRE	6	Knoxville	WKOP	15
Joplin	KOZJ	26	Williston	KWSE	4	Memphis	WKNO	10
Kansas City	KCPT	19	Ohio			Nashville	WDCN	8
Springfield	KOZK	21	Akron	WVIZ	25	Texas		
St. Louis	KETC	9		WEAU	49	Amarillo	KACV	2
Montana			Cleveland	WVIZ	25	Austin	KLRU	18
Bozeman	KUSM	9	Cincinnati	WCET	48	Corpus Christi	KEDT	16
Butte	KUSM	9	Columbus	WOSU	34	Dallas	KERA	13
Nebraska			Dayton	WPTD	16	El Paso	KCOS	13
Bassett	KMNE	7	Lima	WBGU	27	Ft. Worth	KERA	13
Hastings	KUON	12	Portsmouth	WPBO	42	Harlingen	KMEH	60
	KHNE	29	Steubenville	WOUC	44	Houston	KUHT	8
Lexington	KLNE	3	Toledo	WGTE	30	Lubbock	KTXT	5
Lincoln	KUON	12	Youngstown	WNEO	45	Odessa Midland	KOCV	36
Merriman	KRNE	12	Oklahoma			San Antonio	KLRN	9
Norfolk	KXNE	19	Cheyenne	KWET	12	Temple	KNCT	46
North Platte	KPNE	9	Eufaula	KOET	3	Waco	KNCT	46
Omaha	KYNE	26	Oklahoma City	KETA	13	Utah		
Scottsbluff	KTNE	13	Tulsa	KOED	11	Salt Lake City	KUED	7
Nevada			Oregon			Vermont		
Las Vegas	KLVX	10	Bend	KOAB	3	Burlington	WCVE	57
Reno	KNPB	5	Eugene	KEPB	28	Virginia		
New Hampshire			Klamath Falls	KFTS	22	Arlington	WETA	26
Durham	WENH	11	Medford	KSYS	8	Charlottesville	WHTJ	41
	WNET	13	Portland	KOPB	10	Harrisonburg	WVPT	51
Keene	WEKW	52	Pennsylvania			Lynchburg	WBRA	15
Littleton	WLED	49	Altoona	WPSX	3	Norfolk	WHRO	15
New Jersey			Erie	WQLN	54	Norton	WSBN	47
N. New Jersey	WNET	13	Harrisburg	WITP	33	Petersburg	WCVE	23
S. New Jersey	WHYY	12	Johnstown	WPSX	3	Portsmouth	WHRO	15
New Mexico			Lancaster	WITF	33	Richmond	WCVE	23
Albuquerque	KNME	5	Philadelphia	WHYY	12	Roanoke	WBRA	15
Santa Fe	KNME	5	Pittsburgh	WQED	13	Washington		
New York			Scranton	WVIA	44	Seattle	KCTS	9
Albany-			Wilkes-Barre	WVIA	44	Spokane	KSPS	7
Schenectady	WMHT	17	Rhode Island			Tacoma	KCTS	9
Binghamton	WSKG	46	New Bedford	WSBE	36	Yakima	KYVE	47
Buffalo	WNED	17	Providence	WSBE	36	West Virginia		
New York	WNET	13	South Carolina			Beckley	WSWP	9
Norwood	WNPI	18	Allendale	WEBA	14	Bluefield	WSWP	9
Plattsburgh	WCVE	57	Beaufort	WJWJ	16	Charleston	WPBY	33
Rochester	WXXI	21	Charleston	WITV	7	Clarkburg	WNFB	24
Syracuse	WCNY	24	Columbia	WRLK	35	Huntington	WPBY	33
Watertown	WNPE	16	Conway	WHMC	23	Parkersburg	WOUB	20
North Carolina			Florence	WJPM	33	Weston	WNFB	24
Asheville	WUNF	33	Greenville	WNTV	29	Wheeling	WOUC	44
Charlotte	WUNG	58	Greenwood	WNEH	38	Wisconsin		
Columbia	WUND	2	Huntington	WPBY	33	Appleton	WPNE	38
Greenville	WUNK	25	Rock Hill	WNSC	30	Eau Claire	WHLA	31
Greensboro	WUNL	26	Spartanburg	WRET	49	Green Bay	WPNE	38
Jacksonville	WUNM	19	Sumter	WRJA	27	La Crosse	WHLA	31
Linville	WUNE	17	South Dakota			Madison	WHA	21
Raleigh-Durham	WUNC	4	Aberdeen	KDSD	16	Menomonie	WHWC	28
Roanoke Rapids	WUNP	36	Brookings	KESD	8	Milwaukee	WMVS	10
Wilmington	WUNJ	39	Eagle Butte	KPSD	13	Park Falls	WLEF	36
North Dakota			Lowry	KQSD	11	Rhineland	WHFM	20
Bismarck	KBME	3	Martin	KZSD	8	Wassau	WHFM	20
Drakinson	KDSE	9	Pierre	KTSD	10	Wyoming		
Ellendale	KJRE	19	Rapid City	KBHE	9	Cheyenne	KTNE	13
Fargo	KFME	13	Vermillion	KUSD	2	Evanston	KUED	7
Grand Forks	KGFE	2	Tennessee					
			Chattanooga	WTCI	45			

INSTALLING STARSIGHT

Cable Box Codes

Cable Box Brand	Code	Cable Box Brand	Code	Cable Box Brand	Code
Allegro	62	Northcoast	75	Standard Components	35
GE	67	NSC	35, 39, 68, 69, 70	Texscan	39, 56, 71
Gemini	05, 31, 38	Oak	11, 32, 42	Tocom	17, 18, 46
General Instrument	04, 05, 06, 07, 08, 09, 10, 18, 60	Panasonic	13, 20	Unika	48, 62
Hamlin	02, 45, 65, 66	Philips	47, 50, 52, 54, 55	Universal	58, 62
Jerrold	04, 07, 08, 09, 10, 18, 60	Pioneer	15, 43	Video Way	49
Kale Vision	35	Regency	29	Vid Tech	40
Macom	21	Samsung	35	Viewstar	54, 55, 72
Magnavox	34	Scientific Atlanta	16, 23, 36, 64	Zenith	01
		Signal	76	Zenith HT-2000	19
		Sprucer	13		

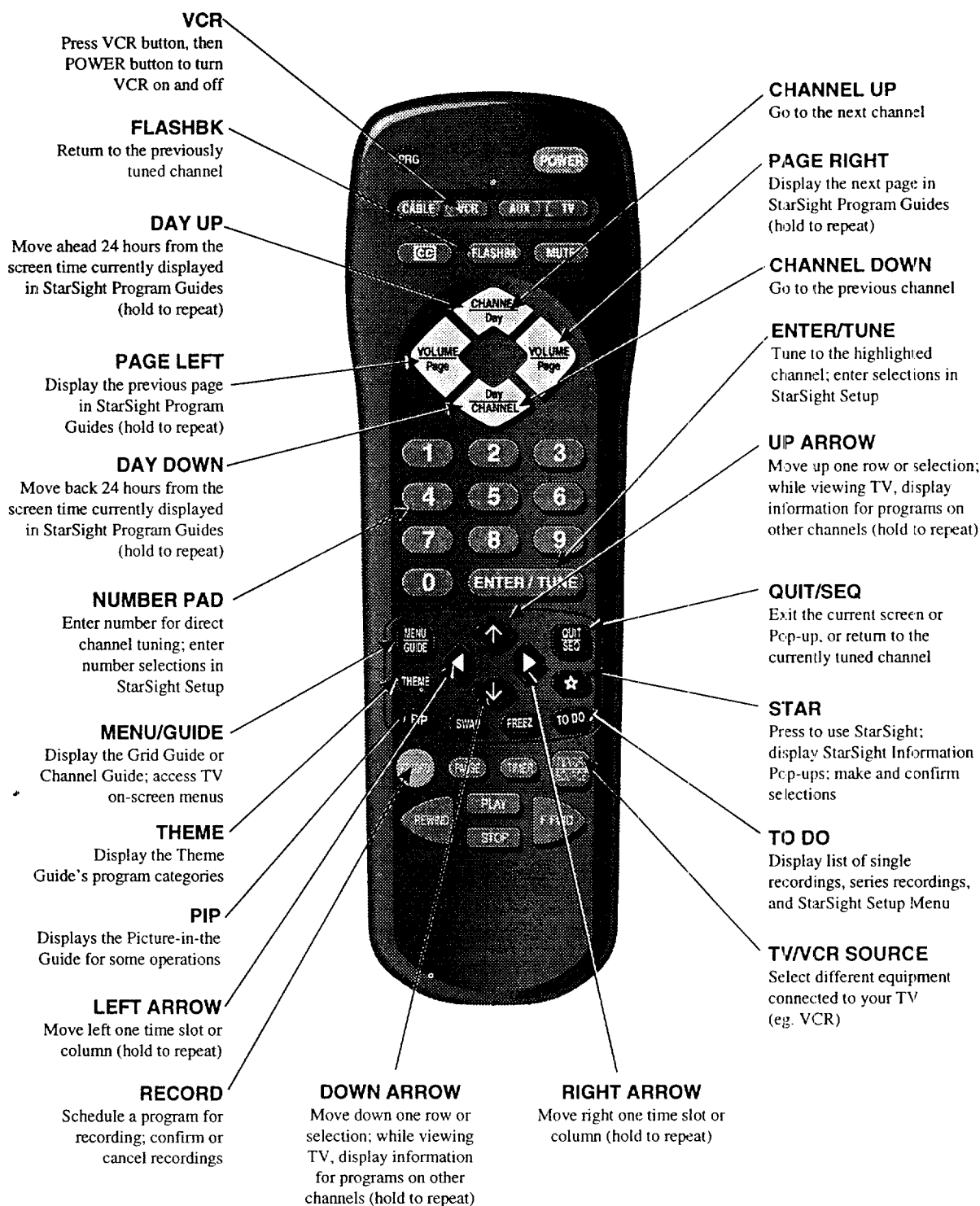
VCR Codes

VCR Brand	Code	VCR Brand	Code	VCR Brand	Code
Admiral	08, 61	Jerrold	18	Samsung	20
Adventura	31	JVC	02, 25, 58	Sansui	39
Aiwa	31	Kenwood	02	Sanyo	06, 12, 47
Akai	23, 38, 41	Logik	39	Scott	04, 05, 33, 43
Audio Dynamics	02, 18	LXI	09, 31	Sears	06, 09, 11, 12, 15
Bell & Howell	06, 47	Magnavox	07, 14, 31	Sharp	08, 61
Broksonic	21, 26, 50, 55	Marantz	07, 18	Shintom	39
Canon	14	Marta	09	Signature 2000	08, 14, 16, 31, 49
Citizen	09	Memorex	06, 12, 14, 31	Sony Video8	17
Craig	12	Mitsubishi	04, 22	Sony VHS	32
Curtis Mathes	14, 59	Montgomery Ward	08, 14, 16, 31, 49	Sony	32, 37
Daewoo	46, 48, 54	Multi Tech	39	Sony Beta	37
Daytron	46	NEC	02, 18	Sylvania	07, 14, 27
DBX	02, 18	Orion	50	Symphonic	31
Emerson	03, 21, 23, 26, 33, 35, 43, 50	Panasonic	14, 51, 59	Tashiko	09
Fisher	11, 12, 13, 47	Pentax	15	Tatung	02
Funai	31	Philco	07, 14	Teac	02, 31
General Electric	14, 16, 20	Philips	07, 14, 27	Teknika	09, 34
Go Video	56, 62, 63	Pioneer	10, 15	Toshiba	05, 15
Goldstar	01, 09	Portland	46	Vector Research	04, 18
Hitachi	15, 57	Proscan	16, 60	Yamaha	02, 18
Instant Replay	14, 27	Quasar	14, 59	Zenith	00
JC Penney	14, 15, 18, 27	RCA	15, 16, 20, 27, 60	Zenith VHS	01, 24, 25
		Realistic	06, 08, 12, 14, 31	Zenith Beta	37

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Basic Operation

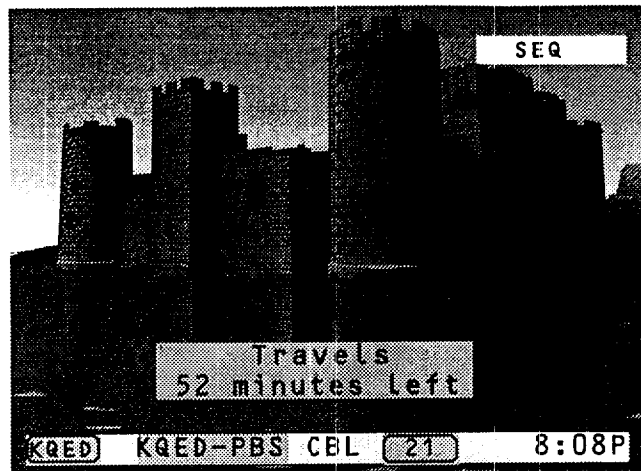
This section of the guide discusses the use of StarSight with the Universal Remote. The following illustration shows the Universal Remote and its controls.



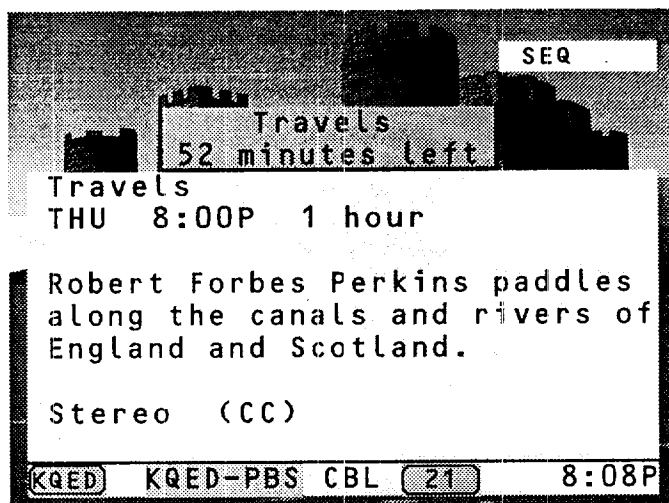
USING STARSIGHT WITH THE UNIVERSAL REMOTE

Finding out more about what you're watching: the STAR button

1. Press the STAR button. You'll see the program title and time remaining "Pop up" for five seconds.



2. Press STAR again. The Pop-up changes to provide more detailed information. (It goes away in 30 seconds.) Or...



3. Press STAR again to resume watching TV.

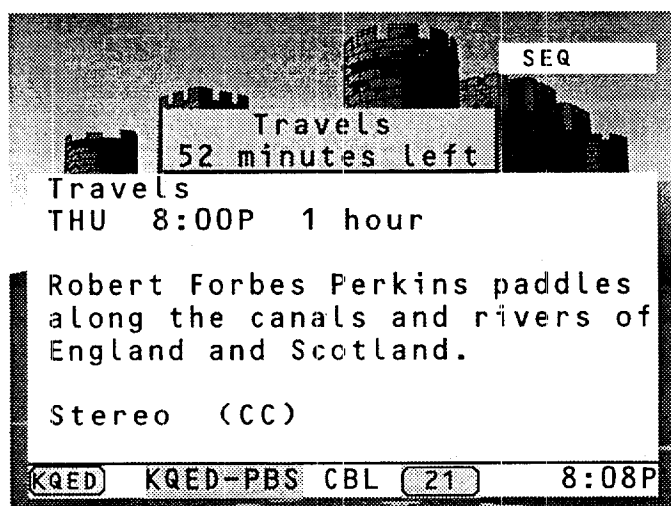
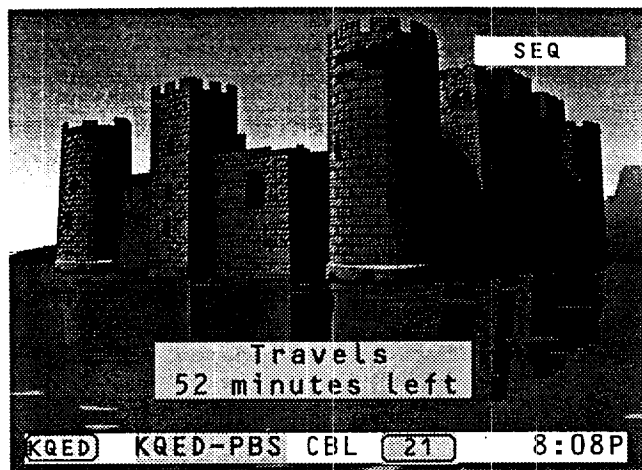
YOU SHOULD ALSO KNOW...

- If at any time you find you cannot activate the StarSight functions, just press the STAR button.

USING STARSIGHT WITH THE UNIVERSAL REMOTE

What's on when you change channels: Grazing

1. Press CHANNEL/Day Up or Down to change channels. The Pop-up for the new program automatically displays and then disappears in five seconds.
2. Press STAR while the Pop-up is displayed to get even more information on the program.



3. Press STAR again to resume watching TV.

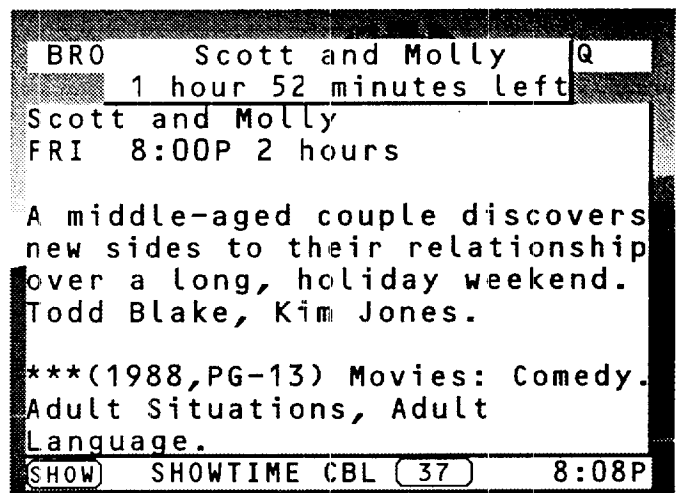
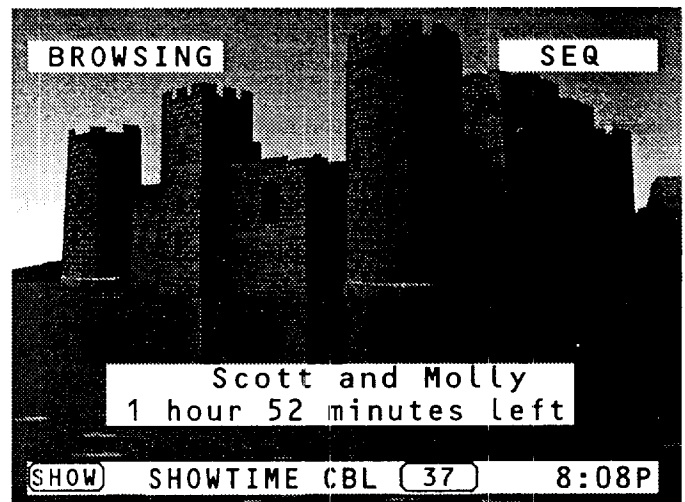
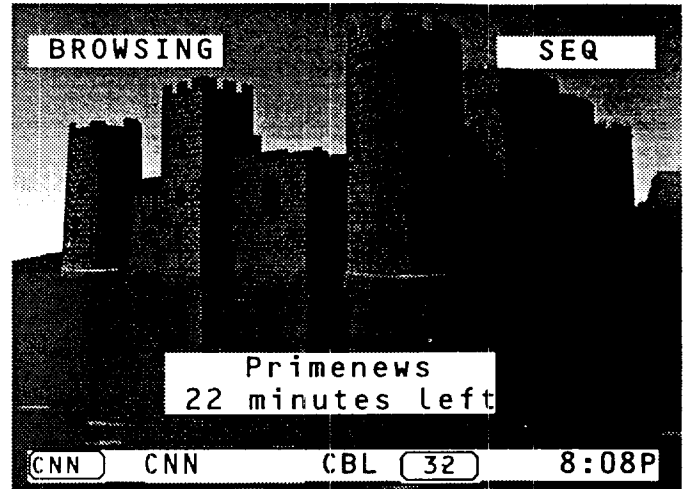
YOU SHOULD ALSO KNOW...

- If you press STAR twice and then change channels, you will get full program descriptions while you are channel surfing. (Does not apply to Cable Box Setups.)

USING STARSIGHT WITH THE UNIVERSAL REMOTE

What's on without changing channels: Browsing

1. Press ↑ or ↓ to see what's on other channels. Notice that you will continue to see your presently tuned program, but will get a Pop-up for a program on a different channel.
2. Press ↑ or ↓ as many times as you'd like (or hold to repeat) to see Pop-ups for different programs.
3. Press STAR while the Pop-up is displayed to get even more information on the program.
4. Press STAR again. The Pop-up disappears.



YOU SHOULD ALSO KNOW...

- Press ENTER/TUNE to go directly to the program in the Pop-up.
- If the PIP window is displayed, press the STAR button and then press ↑ or ↓ to browse channels.
- The program title Pop-up appears in yellow for the currently tuned program.

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Finding out what's on all channels: Grid Guide

Using the StarSight Grid Guide to see:

- what's on right now
 - what's on for the next seven days
 - what the programs are about
1. Press MENU/GUIDE to see a full listing of all programs. (Remember: If the Grid Guide doesn't appear, you may not be in StarSight mode. Just press STAR.)
 2. Press ◀, ▶, ↑, or ↓ to move the highlight bar around the Grid Guide.
 3. Press STAR any time to get information about the highlighted show.
 4. Press PIP to view the currently highlighted show.
 5. Press ENTER/TUNE to tune to any currently highlighted show.
 6. Press QUIT/SEQ to resume watching TV.

S T A R S I G H T							
SEP	MON	TUE	WED	THU	FRI	SAT	SUN
7	9:00P				9:30P		
CSP2	U.S. Senate Coverage						
CNN	Larry King Live!						
26	Math ... Who Needs It?						
SHOW	Scott and Molly						
HBO	Bingo			Home Alone			
DISC	All In A Day's Work						
ESPN	Major League Baseball (L)						
FAM	Batman						
4	In the Best of Times						
DISN	Casablanca						
REQ	The Prince of Tides						
26	WETA-PBS CBL			26	9:00P		

S T A R S I G H T							
SEP	MON	TUE	WED	THU	FRI	SAT	SUN
7	9:00P			9:30P			
CSP2	U.S. Senate Coverage						
CNN	Larry King Live!						
26	Math ... Who Needs It?						
SHOW	Scott and Molly						
Math ... Who Needs It?							
MON 9:00P 1 hour							
A large number of people with exciting jobs use math every day in their work.							
Education. (CC)							
26	WETA-PBS CBL				26	9:00P	

S T A R S I G H T							
SEP	MON	TUE	WED	THU	FRI	SAT	SUN
7	9:00P				9:30P		
CSP2	U.S. Senate Coverage						
CNN	Larry King Live!						
26	Architects of India						
SHOW	Scott and Molly						
HBO	Bingo						
DISC	All in a Day's Work						
ESPN	Major league Ba						
FAM	Batman						
4	Fresh Prince						
DISN	Avonlea						
REQ	The Prince of						
26	WETA-PBS CBL			26	9:00P		

YOU SHOULD ALSO KNOW...

- Press numbers followed by ◀ or ▶ to move to a specific time in the guide.
- Press RECORD to record any highlighted show.
- Press VOLUME/Page Left or Right to see additional channel listings.
- Press CHANNEL/Day Up or Down to see different days for the same time.
- If you have a cable box, the PIP window will only show your presently tuned channel.

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Viewing what's on a single channel: Channel Guide

Do you have a favorite channel? Showtime?
Nickelodeon?

Whatever it is, StarSight can show you a channel's
schedule for an entire week.

1. Press MENU/GUIDE to see the Grid Guide.
2. Press ↑ or ↓ to move the highlight bar to the channel
you want to know about.
3. Press MENU/GUIDE again to see the Channel Guide
for the channel you highlighted.
4. Press VOLUME/Page Right to see more programs on
the same channel.
5. Press ENTER/TUNE to tune to a current program.
6. Press QUIT/SEQ to resume watching TV.

YOU SHOULD ALSO KNOW...

- Press STAR to learn more about a program.
- Press CHANNEL/Day Up or CHANNEL/Day Down to see the Channel Guide for other channels.
- Press MENU/GUIDE to go back and forth between the Channel Guide and Grid Guide.
- Press RECORD to record any highlighted show.

S T A R S I G H T						
SEP	MON	TUE	WED	THU	FRI	SAT SUN
7	8:00P			8:30P		
CSP2	News 1			U.S. Senate		
CNN	Primenevs					
26	Mathnet: Despair in Monterey					
SHOW	Scott and Molly					
HBO	Bingo					
DISC	All in a Day's Work					
ESPN	Major league Baseball (L)					
FAM	Batman					
4	Fresh Prince	Blossom				
DISN	Avonlea					
REQ	The Prince of Tides					
CNN	CNN		CBL	6		7:25P

WHAT'S NEXT ON CNN	
MON SEP 7	
7:00P	Moneyline
7:30P	Crossfire
8:00P	Primenevs
9:00P	Larry King Live!
10:00P	World News
11:00P	Sports Tonight
11:30P	Moneyline
12:00A	Newsnight
12:30A	Inside Politics '92
1:00A	Showbiz Today
1:30A	Newsnight Update
2:00A	Worldwide Update
CNN	CNN CBL 6 7:25P

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Choosing programs by category: Theme Guide

What's your favorite kind of program?

Sports? Movies? Comedies? StarSight gives you a selection of categories to help you pick your favorite shows for the coming week.

1. Press THEME to see the StarSight Themes menu.
2. Press ↑ or ↓ to highlight a Theme.

STARSIGHT THEMES			
Movies			
Specials/Mini Series			
Sports			
Children's Programming			
Health/Science/Education			
News/Talk/Magazine			
Entertainment/Variety			
Comedy			
Action/Mystery/Horror			
Drama/Romance			
Miscellaneous			

CSP2 CSPAN2 CBL 27 7:41P

3. Press STAR to see the categories for that Theme.
4. Press ↑ or ↓ to highlight a category.

Movies			
All Movies			
Action/Adventure			
Comedy			
Drama			
Fantasy/Science Fiction			
Western			
Horror			
Musical/Dance			
Historical/Biographical			
Miscellaneous			
Closed Captioned			

CSP2 CSPAN2 CBL 27 7:41P

5. Press STAR to see the shows for that category. Press VOLUME/Page Right to see additional show listings.
6. Press ENTER/TUNE to tune to a current program.
7. Press QUIT/SEQ repeatedly to resume watching TV.

Movies			
Comedy			
LIFE	MON	6:00P	The Secret 2:00
SHOW	MON	8:00P	City Slicke 2:00
LIFE	MON	8:00P	Who's That 2:00
50	MON	8:00P	Rally 'Roun 2:00
SHOW	MON	10:00P	The Search 2:00
50	TUE	12:30A	The Inspect 2:00
REQ	TUE	9:30P	Stop! Or My 2:00
LIFE	TUE	10:00A	National La 1:30
SHOW	TUE	12:00P	Driving Me 1:30
REQ	TUE	2:00P	The Addam 2:00
HBO	TUE	2:30P	Vice Versa 1:45
SHOW	TUE	6:00P	And You Tho 1:35

CSP2 CSPAN2 CBL 27 7:42P

YOU SHOULD ALSO KNOW...

- Press STAR to learn more about a program.
- Press MENU/GUIDE to go directly to the Grid Guide from any Theme Guide.
- Press RECORD to record any highlighted show.

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Recording what you're watching: Current Recording

IMPORTANT: Your VCR must be turned off when you're not using it.

Also, be sure you have inserted a blank videotape in the VCR.

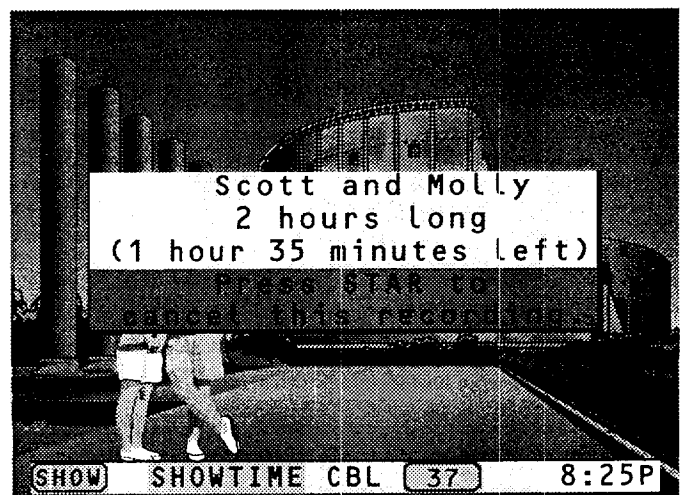
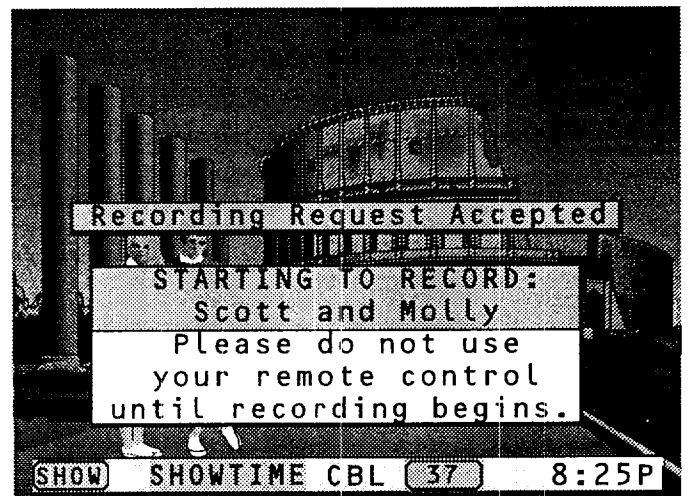
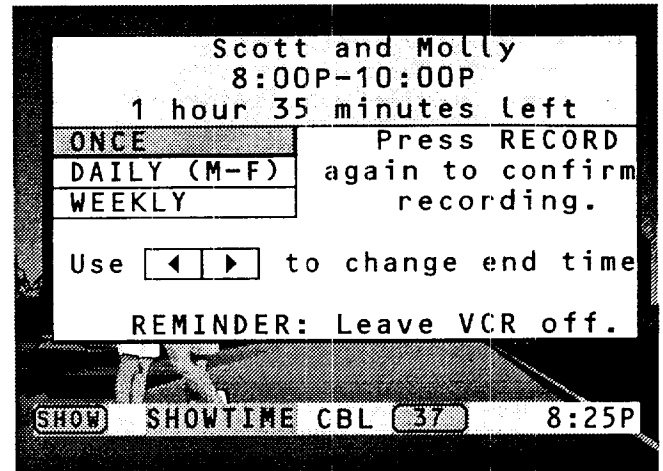
1. Press RECORD to see a Recording Pop-up. Notice that the yellow highlight bar is on "ONCE."
- If you're recording an event that might run over (for example, a baseball game), press ► on the Recording Pop-up to extend the end time of the recording in 5 minute increments.

2. Press RECORD again to confirm your recording. StarSight will turn on your VCR and begin recording in a few seconds.

3. To cancel a recording in progress, press RECORD again and then press STAR to confirm.

YOU SHOULD ALSO KNOW...

- To turn your VCR on and off with the remote control, press the VCR button, followed by the POWER button. (See "Programming Your Remote" in the TV section of this guide.)
- Do not press VCR buttons while a StarSight recording is in progress.
- "ONCE" records the current program only, "DAILY" records the same program every day (M-F), and "WEEKLY" records it once a week.



USING STARSIGHT WITH THE UNIVERSAL REMOTE

Scheduling a recording from StarSight guides: Future Recording

IMPORTANT: Your VCR must be turned off when you're not using it.

Also, be sure you have inserted a blank videotape in the VCR.

1. Press MENU/GUIDE to see the Grid Guide.
2. Press ◀, ▶, ↑, or ↓ to highlight a current or future program.
3. Press RECORD to see a Recording Pop-up for the selected program.
4. Press ↑ or ↓ to select ONCE, DAILY or WEEKLY.
5. Press RECORD again to confirm your recording. Just before your scheduled recording, StarSight turns on your VCR and begins recording.

6. To cancel a selected recording, highlight the program on the Grid Guide (it will be shown in red), press RECORD and then press STAR to confirm.

You can schedule recordings or cancel them from the Grid Guide, Channel Guide or Theme Guide.

YOU SHOULD ALSO KNOW...

- Selecting ONCE records the selected program.
- Selecting DAILY records a program every day (M-F).
- Selecting WEEKLY records a program once a week.
- You can extend the end time of a recording in 5 minute increments by pressing ▶ on the Recording Pop-up.
- For more information on recording, see "YOU SHOULD ALSO KNOW... Recording what you're watching: Current Recording."

S T A R S I G H T							
SEP	MON	TUE	WED	THU	FRI	SAT	SUN
7	8:30P		9:00P				
CSP2	U.S. Senate Coverage						
CNN	Primenews			Larry King			
26	Mathnet: Desp			Math ... Who			
SHOW	Scott and Molly						
HBO	Bingo						
DISC	All In A Day's Work						
ESPN	Major League Baseball (L)						
FAM	Batman						
4	Blossom			In the Best			
DISN	Avonlea			Casablanca			
REQ	The Prince of Tides						
CNN	CNN		CBL (6)		8:00P		

S T A R S I G H T							
SEP	MON	TUE	WED	THU	FRI	SAT	SUN
7	8:30P			9:00P			
CSP2	U.S. Senate Coverage						
CNN	Primenews			Larry King			
Larry King Live!							
9:00P-10:00P							
ONCE				Press RECORD again to confirm recording			
DAILY (M-F)							
WEEKLY							
Use ◀ ▶ to change end time							
REMINDER: Leave VCR off.							
CNN	CNN		CBL		6	8:00P	

S T A R S I G H T							
SEP	MON	TUE	WED	THU	FRI	SAT	SUN
7	8:30P			9:00P			
CSP2	U.S. Senate Coverage						
CNN	Primenews			Larry King			
26	Recording Request Accepted						
SHOW	Scott and Molly						
HBO	Bingo						
DISC	All In A Day's Work						
ESPN	Major League Baseball (L)						
FAM	Batman						
4	Blossom			In the Best			
DISN	Avonlea			Casablanca			
REQ	The Prince of Tides						
CNN	CNN		CBL		6	8:00P	

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Reviewing your schedule of individual recordings: Recordings List

StarSight keeps track of up to 25 scheduled recordings, including the four most recently completed.

1. Press TO DO to review your scheduled recordings.

RECORDINGS				
9	MON	10:00P	Northern Ex	
DISN	MON	11:00P	Gaslight	2:00
CNN	TUE	1:00A	Showbiz Tod	:30
DISN	TUE	4:00A	Casablanca	2:00
ESPN	TUE	6:30A	Getting Fit	:30
ESPN	WED	6:30A	Getting Fit	:30
5	WED	8:00P	Beverly Hil	1:00
ESPN	THU	6:30A	Getting Fit	:30
ESPN	FRI	6:30A	Getting Fit	:30

SHOW SHOWTIME CBL 37 10:05P

2. Press ↑ or ↓ to highlight a recording.

RECORDINGS				
9	MON	10:00P	Northern Ex	:05
DISN	MON	11:00P	Gaslight	2:00
CNN	TUE	1:00A	Showbiz Tod	:30
DISN	TUE	4:00A	Casablanca	2:00
ESPN	TUE	6:30A	Getting Fit	:30
ESPN	WED	6:30A	Getting Fit	:30
5	WED	8:00P	Beverly Hil	1:00
ESPN	THU	6:30A	Getting Fit	:30
ESPN	FRI	6:30A	Getting Fit	:30
SHOW	FRI	8:00P	Scott and M	2:00

SHOW SHOWTIME CBL 37 10:05P

3. Press STAR to see information about the program.
4. Press QUIT/SEQ to resume watching TV.

YOU SHOULD ALSO KNOW...

- To cancel a recording, simply highlight the program and press RECORD, then STAR.
- If you see a question mark symbol on a scheduled recording, press MENU/GUIDE to see why there is a recording mismatch.
- Pressing ↑ repeatedly displays the last four completed recordings.

Programs with a white background are scheduled to be recorded; those with a gray background have already been recorded.

RECORDINGS	
Scott and Molly	
FRI 8:00P 2 hours	
A middle-aged couple discovers new sides to their relationship over a long, holiday weekend. Todd Blake, Kim Jones.	
*** (1988, PG-13) Movies: Comedy. Adult Situations, Adult Language.	

SHOW SHOWTIME CBL 37 10:05P

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Reviewing daily or weekly series recordings: Series Recordings List

StarSight keeps track of up to five daily or weekly series recordings.

1. Press TO DO to review your scheduled recordings.

RECORDINGS

9	MON	10:00P	Northern Ex	0
DISN	MON	11:00P	Gaslight	2:00
CNN	TUE	1:00A	Showbiz Tod	:30
DISN	TUE	4:00A	Casablanca	2:00
ESPN	TUE	6:30A	Getting Fit	:30
ESPN	WED	6:30A	Getting Fit	:30
5	WED	8:00P	Beverly Hil	1:00
ESPN	THU	6:30A	Getting Fit	:30
ESPN	FRI	6:30A	Getting Fit	:30

2. Press TO DO again to see the Series Recordings list.

SERIES TO BE RECORDED

9	WK	MON	10:00P	Northern	1:00
5	WK	WED	8:00P	Beverly	1:00
ESPN	MTWThF	6:30A	Getting		:30

3. Press QUIT/SEQ to resume watching TV.

SHOW SHOWTIME CBL 37 10:07P

YOU SHOULD ALSO KNOW...

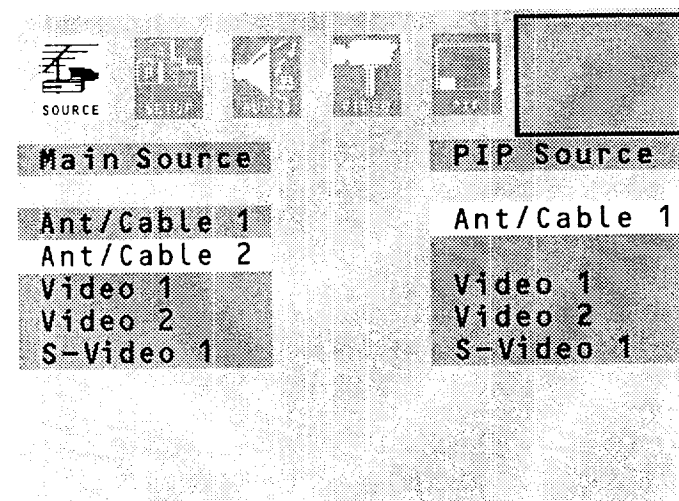
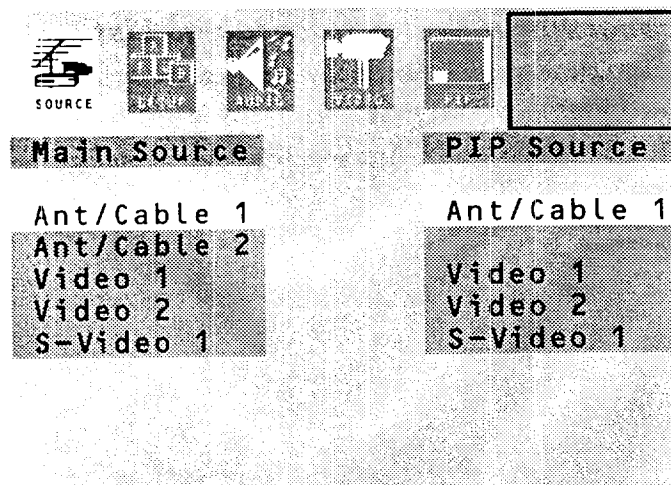
- To cancel a Series Recording, simply highlight the Series and press RECORD, then STAR. This also automatically cancels all individual recordings within that Series.

USING STARSIGHT WITH THE UNIVERSAL REMOTE

How to watch one channel while recording another: Watch and Record

If you have a Cable Box:

1. After recording begins, press TV/VCR SOURCE. You will see the TV SOURCE menu highlighted.
2. Press ↓ to highlight "Ant/Cable 2," then press QUIT/SEQ. You can now watch any unscrambled channel.
3. Use CHANNEL/Day Up or Down to watch other channels. (Note: you will not be able to use StarSight functions while on the ANT/CABLE 2 source.)
4. To resume normal viewing once recording has been completed (and to resume using StarSight) press TV/VCR SOURCE to see the source menu. Then press ↑ to highlight "Ant/ Cable 1." Press QUIT/SEQ.



If you DO NOT have a Cable Box:

1. While you're recording a program, simply press CHANNEL/Day Up or Down to watch a different program.
2. For more information about the SOURCE menu, refer to the TV portion of this guide.

USING STARSIGHT WITH THE UNIVERSAL REMOTE

Selecting and deselecting channels

StarSight allows you to remove channels that you rarely or never watch. When a channel is removed, it will no longer appear in StarSight Guides, nor will it appear when you flip through channels. To increase the amount of information for individual programs that you watch, you should deselect channels that you seldom or never watch.

1. Press TO DO until you see the StarSight Setup menu. "Select Guide Channels" will be highlighted.

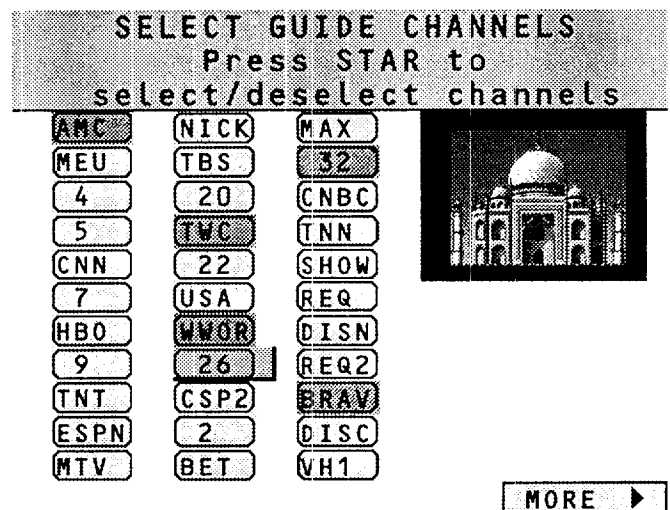
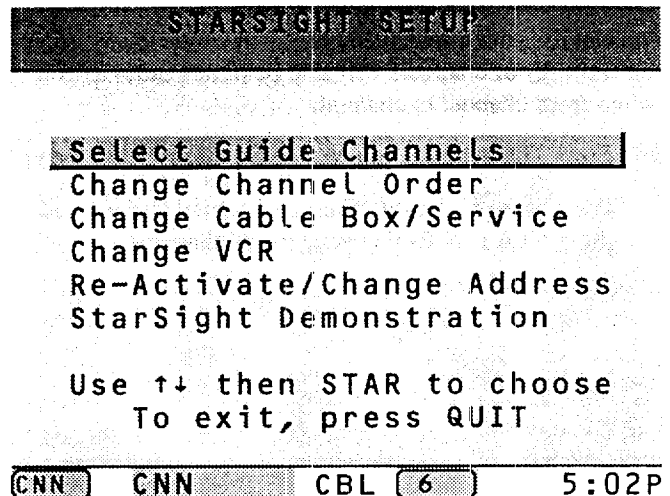
2. Press STAR to display your channel lineup.
3. Press ◀, ▶, ↑, or ↓ to highlight the channel you want to remove, and press STAR. The background color will change, indicating that the channel is deselected.

The PIP window shows a view of the highlighted channel.

4. If you change your mind, just highlight the channel again and press STAR. The background will return to green, and the channel will once again be selected.

NOTE: If you later add back a channel, you must wait 4-12 hours to collect program information for that channel. That channel now displays at the top of your channel list in the guides.

5. Press QUIT/SEQ twice to resume watching TV.



USING STARSIGHT WITH THE UNIVERSAL REMOTE

Changing the channel order

You can list your channels on the Grid Guide in any order you want. Your channels will also be in this order as you switch from channel to channel.

1. Press TO DO until you see the StarSight Setup menu.
2. Press ↓ to highlight "Change Channel Order," and press STAR to display your list of channels.

3. Press ◀, ▶, ↑, or ↓ to highlight the channel you want to move, and press STAR. The channel will move slightly to the left.

4. Press ◀, ▶, ↑, or ↓ to move the highlighted channel to the new location and press STAR to insert the channel in its new position.
5. Press QUIT/SEQ twice to resume watching TV.

YOU SHOULD ALSO KNOW...

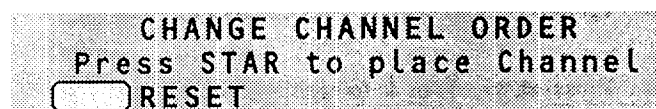
- To reset your channels to the original order, press ↑ to highlight the RESET box at the top of the Change Channel Order screen and press STAR.
- To maximize show descriptions, you should place your most frequently-watched channels at the beginning of your list.



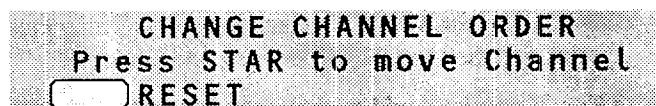
Select Guide Channels
Change Channel Order
 Change Cable Box/Service
 Change VCR
 Re-Activate/Change Address
 StarSight Demonstration

Use ↑↓ then STAR to choose
 To exit, press QUIT

CNN CNN CBL 6 5:02P



CHANGE CHANNEL ORDER		
Press STAR to place Channel		
RESET		
5	NICK	MAX
MEU	TBS	32
4	20	CNBC
AMC	TWC	TNN
CNN	22	SHOW
7	USA	REQ
HBO	WWOR	DISN
9	26	REQ2
TNT	CSP2	BRAY
ESPN	2	DISC
MTV	BET	VH1

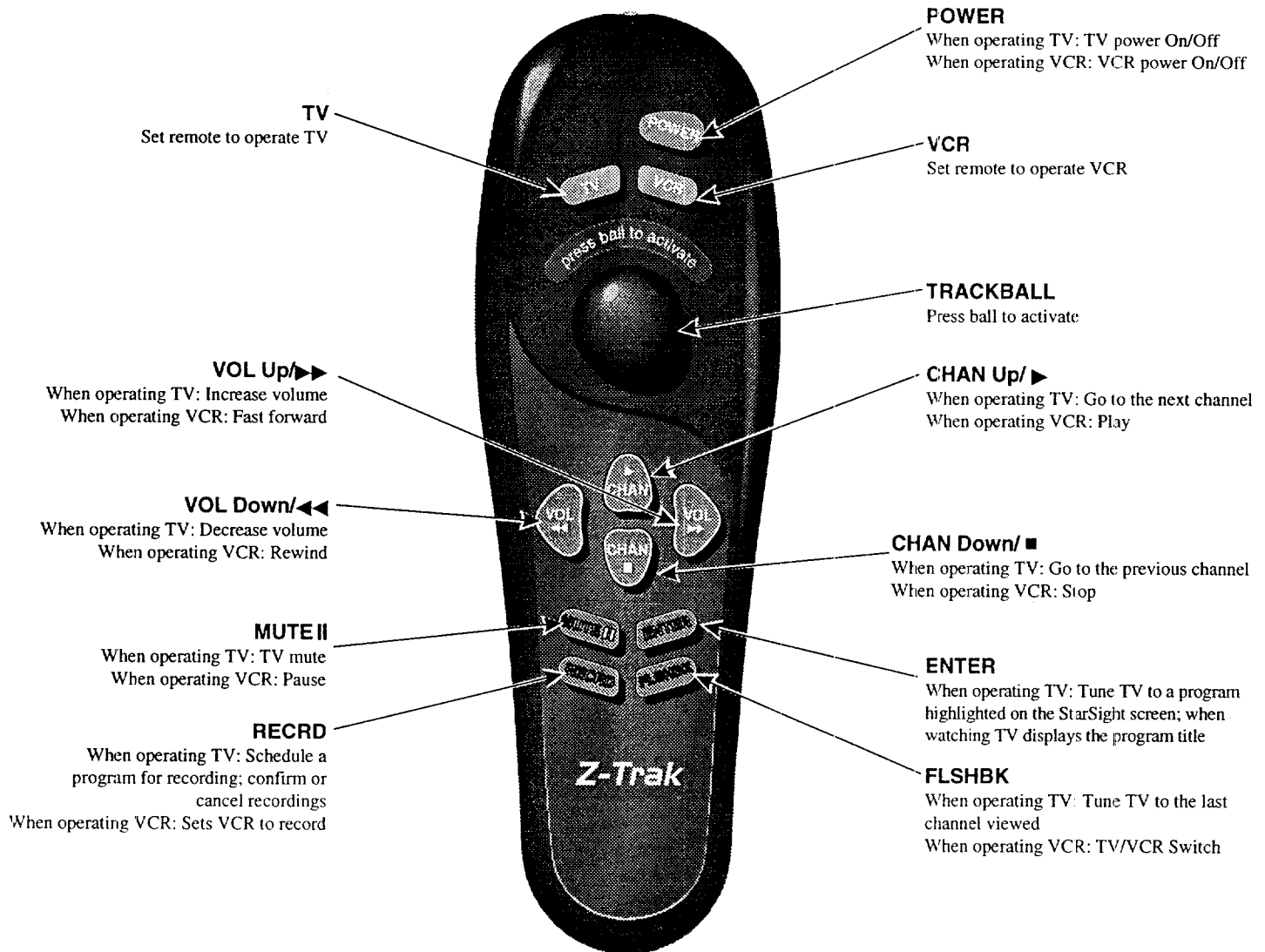


CHANGE CHANNEL ORDER		
Press STAR to move Channel		
RESET		
AMC	NICK	MAX
MEU	TBS	32
4	20	CNBC
5	TWC	TNN
CNN	22	SHOW
7	USA	REQ
HBO	WWOR	DISN
9	26	REQ2
TNT	CSP2	BRAY
ESPN	2	DISC
MTV	BET	VH1

USING STARSIGHT WITH THE Z-TRAK REMOTE

Quick Reference Guide

This section of the guide discusses the use of StarSight with the Z-Trak trackball remote. Operation with the Z-Trak is different than with conventional remote controls. There are far fewer buttons, because the trackball is used to move an on-screen pointer through various menus. The following illustration shows the Z-Trak and its controls.



In the following sections, you will be exploring the various screen menus available in StarSight. As you do so, keep in mind the following guidelines (quite literally, "rules of thumb") for Z-Trak operation:

- To display the pointer, press the trackball.
- To highlight an option or make a selection, point to the desired option and press the trackball.
- To close a StarSight screen, point to the QUIT icon and press the trackball.
- To tune a channel, point to a channel icon and press the trackball. You can also simply highlight a program and press the ENTER button to tune that program.

- Many StarSight program guides have more than one screen full (one "page") of information. You can point to the "P↑" or "P↓" icons and press the trackball to flip through the pages. You can also move more slowly by moving the pointer to the top, bottom, or side edges of the screen and continuing to roll the ball in that direction.

Be sure that the pointer is *red*, indicating that you are in StarSight mode. If the pointer is blue, move the pointer to the left side of the TV screen, point to the TV icon and press the trackball.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Getting started with the Z-Trak remote

1. Press the TV button on the top of the remote. This sets the remote's buttons for TV control, rather than VCR control.
2. Press the trackball. The pointer, a small square, appears in the middle of the screen.
3. You can move the pointer by rolling the trackball up, down, left, and right. Point to the left edge of the screen, a column of TV options appears. The icon at the top indicates which mode is active — StarSight or TV. A circle with a star, the StarSight logo, represents StarSight mode; a TV icon represents TV mode. You can switch between the two modes by locating the pointer on the StarSight or TV icon and pressing the trackball. The icon switches, and the pointer changes color. A *red* pointer indicates that you are in StarSight mode. A *blue* pointer indicates TV mode.

Set the mode to StarSight.

4. As you move the pointer around the screen, you will discover various menus. These menus are not visible on the screen simultaneously. Each Menu appears when you move the pointer on top of it. There are 2 different sets of menus—one for the StarSight mode and one for the TV mode. This section discusses the StarSight options. For information on the TV menus, see the TV portion of this guide.
5. Move the pointer to the top of the screen. At the top you'll see your StarSight icons:

SOURCE: When you press on this option, a selection screen appears which allows you to specify the video/audio source for your TV and the PIP. Simply point to the desired source and press. To return to normal TV viewing, point and press on "EXIT". For more information see the TV portion of the guide.

TO DO: When you press on this option, a list of scheduled recordings and series recordings appears.

THEME: When you press on this option, a list of theme categories appears.

GUIDE: When you press on this option, the Grid Guide and Channel Guide appear.



Continued on next page

USING STARSIGHT WITH THE Z-TRAK REMOTE

6. Move the pointer to the right of the screen. The channel icons appear:

All Chan: Gives you a complete listing of all channels. Point to a channel icon and press the trackball to tune. Or, point to the number pad and press the trackball to tune by channel number.

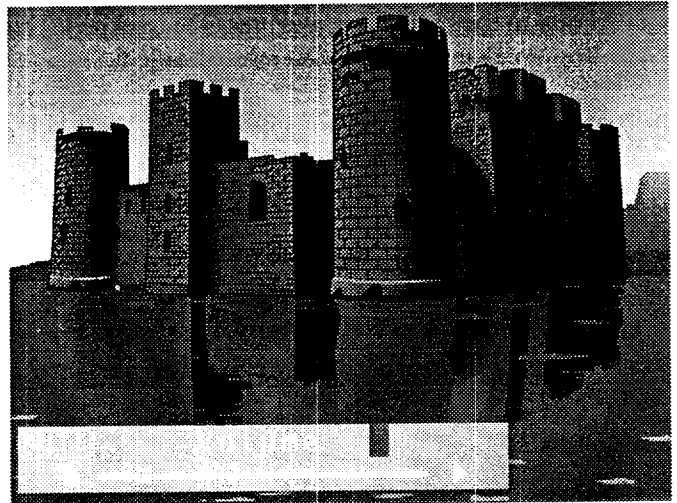
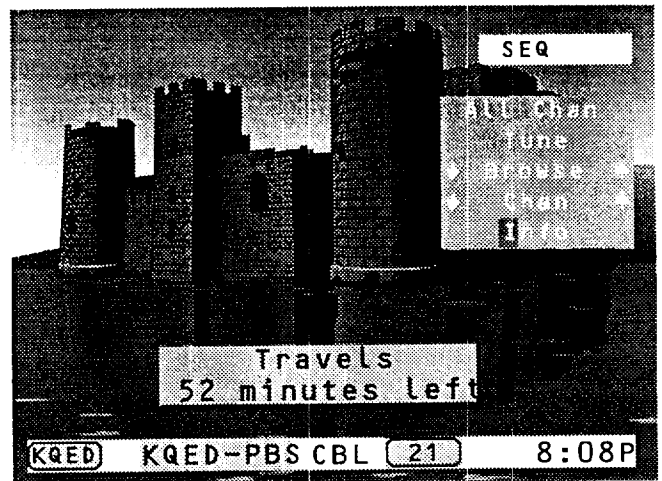
Tune: When browsing (see below), you can tune immediately to the show being described in the Pop-up, by pointing to "Tune" and pressing the trackball.

Browse ↑ and ↓: Allows you to get information about shows on different channels without actually changing to those channels. Place the pointer on or near an arrow and press the trackball.

Chan ↑ and ↓: Allows you to change channels up or down. Place the pointer on or near an arrow and press the trackball.

Info: Displays additional program information. Move the pointer to "Info" and press the trackball.

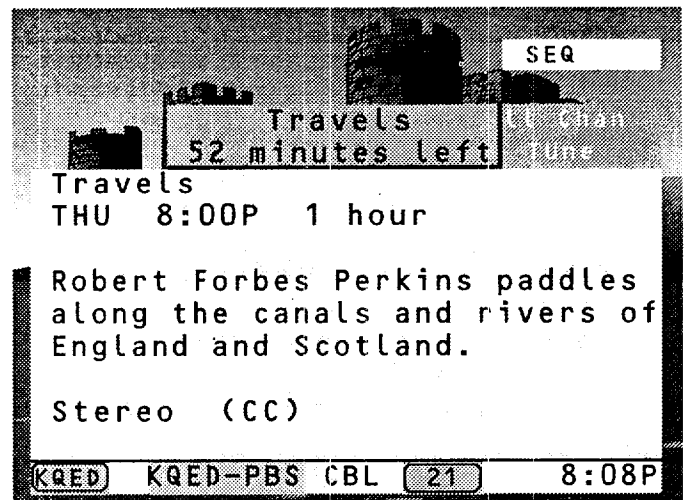
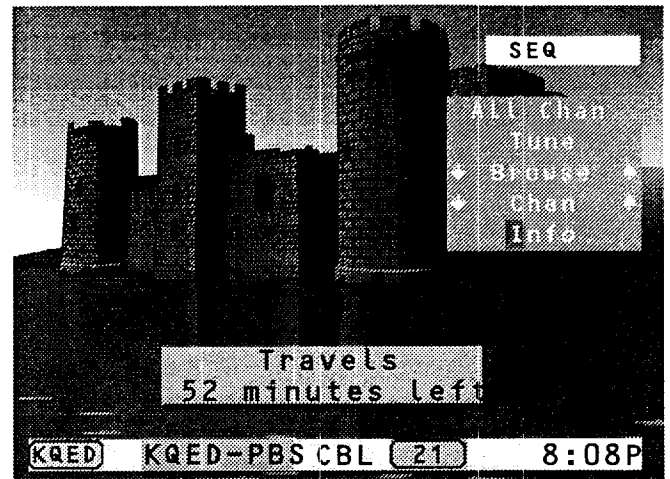
7. Move the pointer to the bottom of the screen. The volume control appears. To adjust the volume, point to the desired volume level on the slider bar and press the trackball. Point to "MUTE" and press the trackball to turn the sound off completely.
8. Move the pointer toward the middle of the screen to make the menu disappear.
9. Press the trackball to make the pointer disappear.



USING STARSIGHT WITH THE Z-TRAK REMOTE

Finding out more about what you're watching: Channel Pop-Ups

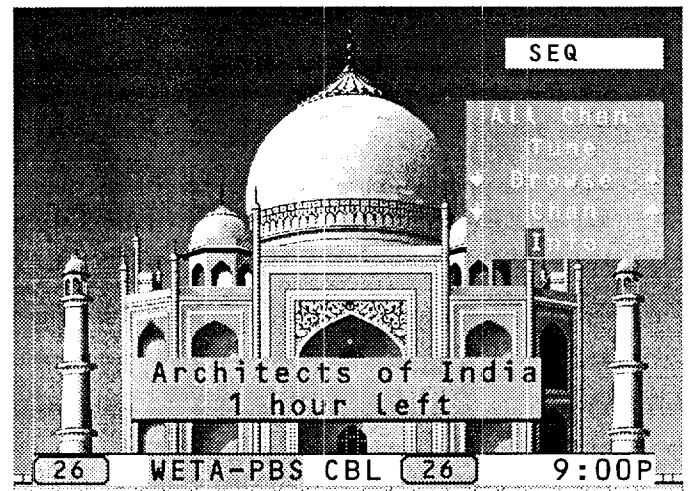
1. Move the pointer to the right edge of the screen. You'll see the program title and time remaining "Pop-up".
2. Point to the "Info" box and press the trackball. The Pop-up changes to provide more detailed information.
3. Move the pointer toward the middle of the screen. The Pop-up disappears.



USING STARSIGHT WITH THE Z-TRAK REMOTE

What's on when you change channels: Grazing

1. Move the pointer to the right edge of the screen. You'll see the channel display.
2. Point to the "Chan" box and place it on or near the ↑ or ↓ symbol. Press the trackball to change channels. The Pop-up for the new program automatically displays.
3. Point to the "Info" box and press the trackball to get even more information on the program.
4. Move the pointer toward the center of the screen, and the Pop-up disappears.

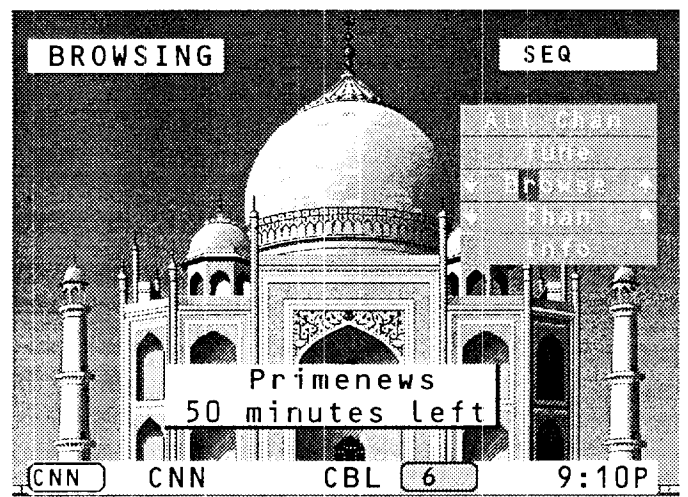


YOU SHOULD ALSO KNOW...

- If you press on "Info" and then change channels, you'll get full program descriptions while you're channel-surfing.

What's on without changing channels: Browsing

1. Move the pointer to the right edge of the screen. You'll see the channel display.
2. Point to the "Browse" box and place it on or near the ↑ or ↓ symbol. Press the trackball to see what's on other channels. Notice that you will continue to see your presently-tuned program, but will get a Pop-up for a program on a different channel.
3. Keep the pointer on "Browse" and press the trackball as many times as you'd like (or hold-down the trackball) to see Pop-ups for different programs.
4. Point to the "Info" box and press the trackball while the Pop-up is displayed to get even more information on the program.
5. Press on "Info" again or continue browsing, and the Pop-up disappears.
6. Move the pointer toward to the center of the screen and the channel display disappears.



YOU SHOULD ALSO KNOW...

- To go directly to the program you see in the Pop-up, simply press the ENTER button on the remote control. Or, point to "Tune" and press the trackball.
- The program title Pop-up appears in yellow for the currently tuned program.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Finding out what's on all channels: Grid Guide

You can use StarSight to see what's on right now, the rest of today and the next six days, and what the programs are about.

1. Move the pointer to the top of the screen and point to "GUIDE". Press the trackball to see a full listing of all programs, known as the "Grid Guide."
2. To highlight a specific show, point to that show and press the trackball.
3. Once a show is highlighted, point to the highlighted show and press the trackball to get information about it. Press the trackball on the information Pop-up to make the Pop-up disappear.
4. Point to "PIP" and press the trackball to view the currently highlighted show.
5. To view more "pages" of the grid, that is, to see listings for additional channels, point to "P↑" or "P↓" and press. You can also move the listings up and down more slowly by moving the pointer to the top or bottom edge and continuing to roll the ball in that direction.

PIP	THEME	TO DO	GUIDE	P↑	P↓	QUIT
SEP	MON	TUE	WED	THU	FRI	SAT SUN
7	9:00P				9:30P	
CSP2	U.S. Senate Coverage					
CNN	Larry King Live!					
26	Architects of India					
SHOW	Scott and Molly					
HBO	Bingo					
DISC	All in a Day's Work					
ESPN	Major League Baseball (L)					
FAM	Batman					
4	Fresh Prince Blossom					
DISN	Avonlea					
REQ	The Prince of Tides					
26	WETA-PBS	CBL	26			9:00P

PIP	THEME	TO DO	GUIDE	P↑	P↓	QUIT
SEP	MON	TUE	WED	THU	FRI	SAT SUN
7	9:00P				9:30P	
CSP2	U.S. Senate Coverage					
CNN	Larry King Live!					
26	Architects of India					
SHOW	Scott and Molly					
HBO	Bingo					
DISC	All in a Day's Work					
ESPN	Major League B					
FAM	Batman					
4	Fresh Prince					
DISN	Avonlea					
REQ	The Prince of					
26	WETA-PBS	CBL	26			9:00P

YOU SHOULD ALSO KNOW...

- If you have a cable box, the PIP window will only show your presently tuned channel.
- Press RECORD to record any highlighted show.

Continued on next page

USING STARSIGHT WITH THE Z-TRAK REMOTE

- To view listings for a different time slot, point to one of the time slots shown directly below the day of the week line. Press the trackball. You will get a list of the next eleven time slots. Point to one and press the trackball; the Grid Guide will shift to that time slot.

NOTE: You can only move forward in time with this feature.

You can also move forward or back more slowly by moving the pointer to the right or left edge and continue to roll the trackball in that direction.

- To learn about shows on any of the next six days point to the desired day ("MON", "TUE", etc.) and press the trackball.
- To exit the Grid Guide, point to "QUIT" at the top of the screen and press the trackball.

PIP	THEME	TO DO	GUIDE	P↑	P↓	QUIT
SEP	MON	TUE	WED	THU	FRI	SAT SUN
7	9:00P			9:30P		
CSP2	U.S. Senate Co			10:00P		
CNN	Larry King Li			11:00P		
26	Architects of			12:00P		
SHOW	Scott and Mol			1:00A		
HBO	Bingo			2:00A		
DISC	All in a Day's			3:00A		
ESPN	Major league			4:00A		(L)
FAM	Batman			5:00A		
4	Fresh Prince			6:00A		
DISN	Avonlea			7:00A		
REQ	The Prince of			8:00A		
26	WETA-PBS	CBL	26			9:00P

Choosing a program: Tuning from a Guide

- Point to "GUIDE" and press the trackball to see the Grid Guide.
- Point to the desired channel icon (left edge of the Grid Guide) and press the trackball. StarSight will tune directly to that channel.
- Remember, you can make other channels visible in the Grid Guide by either using P↑ or P↓, or by moving the pointer to the top or bottom edge of the Guide and rolling the trackball.

PIP	THEME	TO DO	GUIDE	P↑	P↓	QUIT
SEP	MON	TUE	WED	THU	FRI	SAT SUN
7	9:00P			9:30P		
CSP2	U.S. Senate Coverage					
CNN	Larry King Live!					
26	Architects of India					
SHOW	Scott and Molly					
HBO	Bingo					
DISC	All in a Day's Work					
ESPN	Major league Baseball (L)					
FAM	Batman					
4	Fresh Prince Blossom					
DISN	Avonlea					
REQ	The Prince of Tides					
26	WETA-PBS	CBL	26			9:00P

YOU SHOULD ALSO KNOW...

- You can also tune directly to a program by highlighting that program and pressing the ENTER button.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Viewing what's on a specific channel: Channel Guide

Do you have a favorite channel? Showtime?
Nickelodeon?

Whatever it is, StarSight can show you a channel's
schedule for an entire week.

1. Move the pointer to the top of the screen and point to "GUIDE". Press the trackball to see the Grid Guide. Press the trackball again on "GUIDE" to see the Channel Guide.
2. To highlight a specific show, point to that show and press the trackball.
3. Once a show is highlighted, point to the highlighted show and press the trackball to get information about it. Press the trackball again on the information Pop-up to make the Pop-up disappear.
4. To view more "pages" of the Channel Guide, point to "P↑" or "P↓" and press the trackball. To view program titles one by one, point to the top or bottom edge of the Guide, and continue to roll the trackball in that direction.
5. To exit the Channel Guide, point to "QUIT" at the top of the screen and press the trackball.

TO DO	THEME	GUIDE	P↑	P↓	QUIT
MON SEP 7					
7:00P	Moneyline				
7:30P	Crossfire				
8:00P	Primenews				
9:00P	Larry King Live!				
10:00P	World News				
11:00P	Sports Tonight				
11:30P	Moneyline				
12:00A	Newsnight				
12:30A	Inside Politics				
1:00A	Showbiz Today				
1:30A	Newsnight Update				
2:00A	Worldwide Update				
CNN	CNN	CBL	6		7:25P

TO DO	THEME	GUIDE	P↑	P↓	QUIT
MON SEP 7					
7:00P	Moneyline				
7:30P	Crossfire				
8:00P	Primenews				
9	Crossfire				
10	MON 7:30P 30 minutes				
11					
11	Kim Jones and Todd Blake.				
12					
12					
1	Talk.				
1:30A	Newsnight Update				
2:00A	Worldwide Update				
CNN	CNN	CBL	6		7:25P

YOU SHOULD ALSO KNOW..

- To see information for another channel, press the CHAN ↑ or ↓ buttons on the Z-Trak remote.
- To tune to the channel in the guide, simply press the ENTER button on the remote, or point to the channel banner at the bottom of the screen and press the trackball.
- To go back and forth between the Channel Guide and the Grid Guide, point to "GUIDE" and press the trackball.
- Press RECORD to record any highlighted show.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Choosing programs by category: Theme Guide

What's your favorite kind of program? Sports?
Movies? Comedies?

StarSight gives you a selection of categories to help you pick your favorite shows for the coming week.

1. Move the pointer to the top of the screen and point to "THEME". Press the trackball to see the StarSight Themes Menu.
2. Point to your theme selection and press the trackball to see the categories for that Theme.
3. Point to a category and press the trackball to see the shows for that category.
4. To highlight a specific show, point to that show and press the trackball.
5. Once a show is highlighted, point to the highlighted show and press the trackball to get information about it. Press the trackball again on the Information Pop-up to make the Pop-up disappear.
6. To see other pages of program information for the same theme and category, use "P↑" or "P↓". To view program titles one by one, point to the top or bottom edge of the Guide and roll the trackball.
7. To exit the Theme Guide, point to "QUIT" at the top of the screen and press the trackball.

TO DO	THEME	GUIDE	P↑	P↓	QUIT
STARSIGHT THEMES					
Movies					
Specials/Mini Series					
Sports					
Children's Programming					
Health/Science/Education					
News/Talk/Magazine					
Entertainment/Variety					
Comedy					
Action/Mystery/Horror					
Drama/Romance					
Miscellaneous					

CSP2 CSPAN2 CBL 27 7:41P

TO DO	THEME	GUIDE	P↑	P↓	QUIT
Movies					
All Movies					
Action/Adventure					
Comedy					
Drama					
Fantasy/Science Fiction					
Western					
Horror					
Musical/Dance					
Historical/Biographical					
Miscellaneous					
Closed Captioned					

CSP2 CSPAN2 CBL 27 7:41P

TO DO	THEME	GUIDE	P↑	P↓	QUIT
Comedy					
LIFE	MON	6:00P	The Secret	2:00	
SHOW	MON	8:00P	City Slick	2:00	
LIFE	MON	8:00P	Who's That	2:00	
50	MON	8:00P	Rall 'Roun	2:00	
SHOW	MON	10:00P	The Search	2:00	
50	TUE	12:30A	The Inspect	2:00	
REQ	TUE	9:30P	Stop! Or My	2:00	
LIFE	TUE	10:00A	National La	1:30	
SHOW	TUE	12:00P	Driving Me	1:30	
REQ	TUE	2:00P	The Addam	2:00	
HBO	TUE	2:30P	Vice Versa	1:45	
SHOW	TUE	6:00P	And You Tho	1:35	
SHOW	SHOWTIME CBL				37 7:42P

YOU SHOULD ALSO KNOW...

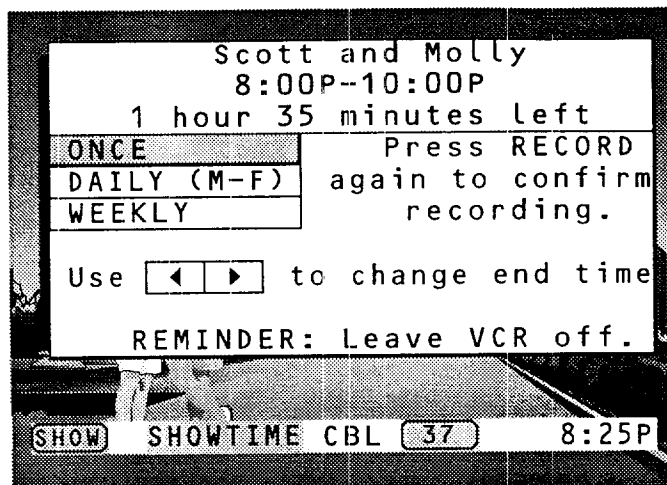
- To tune to the channel in the guide, point to a channel icon or the channel banner at the bottom of the screen and press the trackball. Or, you can simply highlight the desired program and press ENTER on the remote.
- Press RECORD to record any highlighted show.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Recording what you're watching: Current Recording

IMPORTANT: Your VCR must be turned off when you're not using it.
Also, be sure you have inserted a blank videotape in the VCR.

1. Press the RECORD button on the Z-Trak remote to see a Recording Pop-up. Notice the yellow highlight bar is on ONCE; only the current show will be recorded. Pointing and pressing on "DAILY" schedules the current show for recording today and each day at this same time. Pointing and pressing on "WEEKLY" schedules it for recording today and once a week at this time.
2. Press the RECORD button, or point to "RECORD" and press the trackball to confirm your recording. StarSight will turn on your VCR and begin recording in a few seconds.



3. To cancel a recording in progress, press the RECORD button. Point to the red area of the Pop-up and press the trackball to confirm.

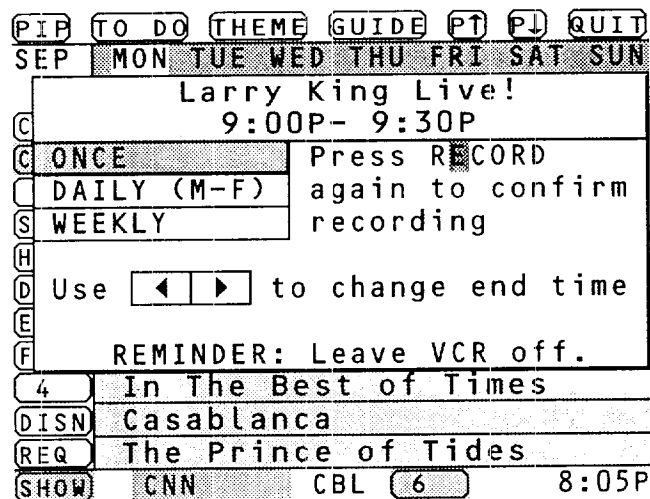
YOU SHOULD ALSO KNOW:

- You can watch a program while StarSight is recording a different program. (See the section on "Watch and Record".)
- If you're recording an event that might run over (for example, a baseball game) point to the ► and press the trackball to lengthen the end time of the recording.

Scheduling a recording from StarSight guides: Future Recording

IMPORTANT: Your VCR must be turned off when you're not using it.
Also, be sure you have inserted a blank videotape in the VCR.

1. Call up the Grid Guide, Channel Guide, or Theme Guide as discussed in the previous sections.
2. Highlight a current or future program in any of these Guides.
3. Press the RECORD button on the Z-Trak remote to see a Recording Pop-up for the selected program.
4. Highlight your series option, "ONCE", "DAILY" or "WEEKLY". "ONCE" schedules just the one highlighted program for recording. "DAILY" schedules it to be recorded each day. "WEEKLY" schedules it for recording once a week.



5. Press the RECORD button or point to "RECORD" and press the trackball to confirm your recording.

SHOULD ALSO KNOW...

- If you're recording an event that might run over (for example, a baseball game) point to the ► and press the trackball to lengthen the end time of the recording.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Reviewing your schedule of individual recordings: Recordings List

StarSight keeps track of up to 25 scheduled recordings, including the four most recently completed.

1. Move the pointer to the top of the screen and point to "TO DO". Press the trackball to review your scheduled recordings.
2. Point to an entry and press the trackball to highlight a recording.

TO DO	THEME	GUIDE	PT	P↓	QUIT
RECORDINGS					
9	MON	10:00P	Northern Ex	:05	
DISN	MON	11:00P	Gaslight	2:00	
CNN	TUE	1:00A	Showbiz Tod	:30	
DISN	TUE	4:00A	Casablanca	2:00	
ESPN	TUE	6:30A	Getting Fit	:30	
ESPN	WED	6:30A	Getting Fit	:30	
5	WED	8:00P	Beverly Hil	1:00	
ESPN	THU	6:30A	Getting Fit	:30	
ESPN	FRI	6:30A	Getting Fit	:30	
SHOW	FRI	8:00P	Scott and M	2:00	

SHOW SHOWTIME CBL 37 10:05P

3. Point to the highlighted recording and press the trackball to see information about the program.

TO DO	THEME	GUIDE	PT	P↓	QUIT
RECORDINGS					
Scott and Molly					
FRI 8:00P 2 hours					
A middle-aged couple discovers new sides to their relationship over a long, holiday weekend. Todd Blake, Kim Jones.					
*** (1988, PG-13) Movies: Comedy. Adult Situations, Adult Language.					

SHOW SHOWTIME CBL 37 10:05P

4. To cancel a scheduled recording, highlight the program scheduled for recording and press the RECORD button on the Z-Trak remote. You will see a Pop-up asking you to confirm the cancellation. To confirm, point to the red area and press the trackball.
5. To view a list of your last four completed recordings, press on "P↑", or roll the pointer past the top of the list. Programs with a white background are scheduled to be recorded. Those with a gray background have already been recorded.
6. Point to "QUIT" and press the trackball to resume watching TV.

TO DO	THEME	GUIDE	PT	P↓	QUIT
RECORDINGS					
9	MON	10:00P	Northern Ex	:05	
DISN	MON	11:00P	Gaslight	2:00	
CNN	TUE	1:00A	Showbiz Tod	:30	
DISN	TUE	4:00A	Casablanca	2:00	
E			Scott and Molly	0	
E			8:00P-10:00P	0	
E			Press here to	0	
E			cancel this recording.	0	
ESPN	FRI	6:30A	Getting Fit	:30	
SHOW	FRI	8:00P	Scott and M	2:00	

SHOW SHOWTIME CBL 37 10:05P

YOU SHOULD ALSO KNOW...

- If you see a question mark on a scheduled recording, point to "GUIDE" and press the trackball to see why there is a recording mismatch.
- When you return to the Grid Guide, programs scheduled to be recorded, and their time slots, are designated in red as a reminder.

USING STARSIGHT WITH THE Z-TRAK REMOTE

Reviewing daily or weekly series recordings: Series Recordings List

StarSight keeps track of five daily or weekly series recordings.

1. Call up the Recordings list, as shown in the last section. Point again to "TO DO" and press the trackball. You will see the Series Recordings list.
2. To cancel a Series Recording, simply highlight the series and press the RECORD button on the Z-Trak remote. Then point to the red area on the confirmation Pop-up and press the trackball. This automatically cancels all individual recordings within that series.
3. Point to "QUIT" and press the trackball to resume watching TV.

TO DO	THEME	GUIDE	P↑	P↓	QUIT
SERIES TO BE RECORDED					
9	WK MON	10:00P	Northern	1:00	
5	WK WED	8:00P	Beverly	1:00	
ESPN	TWThF	6:30A	Getting	:30	

SHOW SHOWTIME CBL 37 10:05P

How to watch one channel while recording another: Watch and Record

If you have a cable box:

1. After recording begins, move the pointer to the top of the screen and point to "SOURCE." Press the trackball. The pointer will now appear in blue.
2. Point to "Ant/Cable 2" and press the trackball. You can now watch any unscrambled channel.
3. Move the pointer to the right side of the screen to change channels. (NOTE: you will not be able to use StarSight functions while on the "Ant/Cable 2" source.)
4. To resume normal viewing once the recording has completed (and to resume using StarSight) point to the "SOURCE" symbol at the top of the screen and press the trackball. Point to "Ant/Cable 1" and press the trackball.

If you do not have a cable box:

1. While you're recording a program, simply change channels to watch a different program. You can still access the StarSight menus while your recording is in progress. Of course, don't attempt to record another current program.
2. For more information about the SOURCE menu, refer to the TV portion of this guide.

NOTE: If you only see snow, put your TV/VCR switch on the VCR in the TV position.

CHANGING YOUR EQUIPMENT SETUP

What you should do when you get a new VCR

NOTE: THIS PROCEDURE REQUIRES THE USE OF THE UNIVERSAL REMOTE.

Make sure your Remote Emitter is positioned 2-3 inches in front of your new VCR. Find the code(s) for your brand of new VCR on the "VCR Code" chart and write the code(s) here. _____

1. Press TO DO until you see the StarSight Setup menu.

2. Press the ↓ to highlight "Change VCR."

3. Press STAR and follow the on-screen instructions.

YOU SHOULD ALSO KNOW...

- It is important that your equipment works properly during each test. For example, make sure your VCR turns on. If the equipment does not respond, you need to try another VCR code and test your VCR again.
- Remember to reprogram your remote so it can operate your new VCR. See the section on "Universal Remote Control" in the TV portion of this guide.
- If you have tried all the codes and need assistance, call the StarSight Help Desk at (800) 628-STAR.

STARSIGHT SETUP

Select Guide Channels

Change Channel Order
Change Cable Box/Service
Change VCR
Re-Activate/Change Address
StarSight Demonstration

Use ↑↓ then STAR to choose
To exit, press QUIT

CNN CNN CBL 6 5:02P

STARSIGHT SETUP

Select Guide Channels

Change Channel Order
Change Cable Box/Service
Change VCR
Re-Activate/Change Address
StarSight Demonstration

Use ↑↓ then STAR to choose
To exit, press QUIT

CNN CNN CBL 6 5:02P

What changes are you making to your VCR?

1. Add VCR
2. Replace VCR
2. Remove VCR

Enter your selection here:

To continue, press ENTER.
To exit, press QUIT.

CHANGING YOUR EQUIPMENT SETUP

What you should do when you change your cable box or service or when you move

NOTE: THIS PROCEDURE REQUIRES THE USE OF THE UNIVERSAL REMOTE.

If you are changing your cable box, find the code(s) for your brand of new Cable Box on the "Cable Box Code" chart and write the code(s) here. _____

1. Press TO DO until you see the StarSight Setup menu.

2. Press the ↓ to highlight "Change Cable Box/Service."

or

Press the ↓ to highlight "Re-Activate/Change Address."

3. Press STAR.

4. Follow the on-screen instructions.

STARSIGHT SETUP

Select Guide Channels

Change Channel Order
Change Cable Box/Service
Change VCR
Re-Activate/Change Address
StarSight Demonstration

Use ↑↓ then STAR to choose
To exit, press QUIT

CNN CNN CBL 6 5:02P

STARSIGHT SETUP

Select Guide Channels
Change Channel Order
Change Cable Box/Service
Change VCR
Re-Activate/Change Address
StarSight Demonstration

Use ↑↓ then STAR to choose
To exit, press QUIT

CNN CNN CBL 6 5:02P

Before you proceed...

1. Please complete the StarSight Checklist in your Installation Guide.
2. Make sure you connect your TV to any other equipment according to the diagrams in your StarSight Installation Guide.
To continue, press ENTER.
To exit, press QUIT.

01

TROUBLESHOOTING

Before calling for service...

1. LEAVE YOUR CABLE BOX ON AT ALL TIMES.
2. LEAVE YOUR VCR OFF WHENEVER YOU ARE NOT WATCHING A VIDEOTAPE.
3. DO NOT PLUG YOUR TV INTO THE POWER PLUG ON THE BACK OF YOUR CABLE BOX.

Installation Problems

Problem	Try this
StarSight is not controlling my cable box and VCR.	Make sure the Remote Emitter is plugged into the Starsight Control Port on the back of your TV.
	Check the placement of your Remote Emitter(s)—the bulbs should be facing and a few inches in front of the front panel of your VCR and Cable Box.
	Make sure you have completed the equipment test with the proper code for your brand of equipment. See "Cable Box Codes" and "VCR Codes" charts.
My VCR turns off and on, but won't change channels.	If you have a Cable Box, your VCR does not need to change channels. (The Cable Box will change channels.)
	Try additional VCR codes until you pass the VCR tuning test. See "VCR Codes" chart. To test the code see "Changing Your Equipment Setup".
	Your VCR must be capable of direct tuning, i.e. your VCR's original remote control must have a 10 digit number pad.
No Picture - "snow."	Check the connections between your TV, VCR and/or Cable Box.
	Run "Auto Program" for your TV's "Ant/Cable 1" source. If your Setup is #4, then you should also Auto Program your "Ant/Cable 2" source. (See the TV portion of the guide.)
I do not get any channels above 13.	If you have a Cable Box, tune your TV to channel 3, or to the cable box output channel.
	Run "Auto Program" for your TV's "Ant/Cable 1" source. If your Setup is #4, then you should also Auto Program your "Ant/Cable 2" source. (See the TV portion of the guide.)
My TV turned off during Cable Box testing.	Make sure your TV is not plugged into the back of the Cable Box or into a power outlet that is controlled by a light switch. NOTE: LEAVE YOUR CABLE BOX ON AT ALL TIMES.
I can't make StarSight appear using the Universal remote control.	Press STAR to get your remote control to operate StarSight.
	Press TV/VCR Source and select "Ant/Cable 1" or StarSight if named.
	If you press a button on the remote control and its red light does not appear, then you need to change your remote control's batteries.
	Make sure you have activated StarSight! (See Installation Step 3, "Activate StarSight".)
I can't make StarSight appear using the Z-Trak remote control.	Check that the on-screen pointer is <i>red</i> , indicating StarSight mode.
	If the pointer is <i>blue</i> , move it to the TV options menu on the left side of the screen. Point and press on the TV icon. The pointer will turn red and the StarSight logo will appear indicating StarSight mode.

Refer to the next page for Operation Problems.

TROUBLESHOOTING

Operation Problems

Problem	Try this
I've registered for StarSight but don't have any program data yet.	<ol style="list-style-type: none"> 1. Make sure your TV is turned off or tuned to PBS in order to receive information. It may take anywhere from 4-12 hours to initially get the full 7 days of information. For best results wait overnight. Check the PBS channel for good picture. 2. If you have a cable box, make sure the cable box automatically tunes to the PBS channel when TV is turned off.
The background color for the date and time are red.	Your TV lost power momentarily. StarSight will correct the time and date when your TV is turned off for a few minutes.
There are some blank spots in StarSight's guides.	StarSight may not have received all the program information. Your TV will collect program information whenever the TV is turned off.
StarSight's list of channels does not match those that appear on my TV.	Call the StarSight Help Desk at 1-800-628-STAR, or fax corrections directly to 1 (800) 229-9640.
The entire show did not record.	Make sure you have enough tape to record the whole program. StarSight records programs based upon the scheduled start and stop times. If a program may run overtime, you should extend the end time of your recording. (See the section "Current Recording" or "Future Recording".)
I have a Cable Box, and want to watch one program while recording another.	While a recording is in progress, change your source to "ANT/CABLE 2" to watch a different non-scrambled program.
I canceled the recordings of all episodes of a series, but new episodes for that same series are still being recorded.	You must cancel the whole series from the Series to be Recorded list. See the section "Series Recordings List".
A red question mark appears on a program title in the Recordings list.	The program information in the Recordings list does not match the program information in the Grid Guide. Position the highlight bar on the question mark and press MENU/GUIDE to see the program that will be recorded. If you don't want to record this program, press record to cancel the recording.
I can't control my VCR with my remote control.	You need to program your remote control for your particular brand of VCR. (See the sections on Remote Controls in the TV portion of this guide.)
I can't see the videotape when playing back on the VCR.	<ol style="list-style-type: none"> 1. Check the connections between your TV and VCR. 2. Make sure your TV is on channel 3 or 4. 3. If you still do not have a picture, try a different videotape that you know has a good picture.
The program wasn't recorded.	<ol style="list-style-type: none"> 1. YOUR VCR MUST BE LEFT OFF WHENEVER YOU ARE NOT WATCHING A VIDEOTAPE. Otherwise, a recording will not take place. Make sure you have a videotape with tape remaining. 2. Check the placement of your Remote Emitter. Has it fallen out of place? 3. Make sure you are confirming the recordings when you schedule a program for recording. 4. Check your Recordings List to see if you actually did schedule a recording for that specific program. 5. For a current recording, make sure you don't press any buttons until the recording has begun. 6. If you have changed your VCR, you will probably need to change the VCR code.
My picture turns to "snow" when recording begins.	To watch TV while recording, wait until recording has begun, then set the "TV/VCR" switch on your VCR to "TV." Or, on your Universal remote control, press the "VCR" button and then the "TV/VCR Source" button. (So the VCR is in "TV" mode.)
StarSight keeps playing a demonstration, and I want to stop it.	<p>If you are running a Quick StarSight Demo, press any key.</p> <p>If you are running a Continuous Retail Demo (recommended for retailers only), wait for the message "To cancel this demonstration, press any button now," and press any button on the remote.</p>

Refer to the previous page for Installation Problems.